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Set	Items	Description
S1	22384	WINDOWS94 OR WINDOWS98 OR WINDOWS3.1 OR WINDOWS() (95 OR 98 OR XP OR ME OR MELLINIUM() EDITION OR NT OR 2000 OR OS OR OPERATING() SYSTEM OR 3.1) OR OS OR OPERATING() SYSTEM?
S2	16253	REGISTRY OR REGISTRIES OR REGISTER? OR LIST? ? OR DIRECTOR? OR INDEX? OR CHECKLIST? OR CHECK() LIST? OR ITEMIZATION OR LOG OR INDICES
S3	32341	ALTER? OR UPDAT? OR UP() (DATE? ? OR DATING OR GRAD???) OR - UPGRAD??? OR CHANG??? OR MODIF???? OR EDIT??? OR REVIS??? OR - REVAMP? OR REWORK?
S4	29	EXECUTABLE() (APPLICATION? OR PROGRAM?)
S5	1066	VIRUS OR MALICIOUS() CODE? OR TROJAN() HORSE OR WORM
S6	14020	VERIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT? - OR JUDGE? OR AUTHENTICAT? OR VALIDAT? OR IDENTIFY?
S7	6888	INTEGRITY OR FAIL() PROCESS? OR ERROR() (CONTROL OR CORRECTING) OR FAULT() TOLERAN? OR RELIABIL? OR STABLE() ROUTING OR SCALABILITY OR FAILURE? OR RESTRICTION? OR CONSTRAINT? OR DEFINITION?
S8	46544	EXECUT? OR PERFORM? OR DISCHARG? OR OPERAT? OR FUNCTION?
S9	2131	APPLICATION?() PROGRAM? OR COMPUTER() (SOFTWARE OR PROGRAM?)
S10	4288	S1 AND S2
S11	10	S3 AND S4
S12	0	S10 AND S11
S13	0	S10 AND S4
S14	70	S10 AND S5
S15	273	S6 AND S9
S16	149	S15 AND S8
S17	21	S10 AND S16
S18	1	S16 AND S5
S19	32	S11 OR S17 OR S18
S20	25	S19 NOT PY>1999
S21	24	S20 NOT PD>19990723
S22	14	S21 AND S10

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Jul
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Java-based data **validation** . Time-saving wizards include the Security Wizard, which easily manages **OS** and database **log** -in activity.

PRICE: \$2995

COMPANY NAME: Hewlett-Packard Software Solutions Organization (534889)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: CGI; Code Generators; HTML; Internet Utilities; Java; Program Development
REVISION DATE: 20020730

22/5/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00100162 DOCUMENT TYPE: Review

PRODUCT NAMES: **Microsoft Active Directory Services Interface (ADSI)**
(654175); LDAP 2.0 (837831); Novell Directory Services (NDS) (460354)

TITLE: **Microsoft Activates Directory Development With LDAP APIs**
AUTHOR: Mendel, Brett
SOURCE: LAN Times, v14 n4 p11(1) Feb 17, 1997
ISSN: 1040-5917
HOMEPAGE: <http://www.lantimes.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Microsoft's **Active Directory** , which will be part of Microsoft's **Windows NT 5.0 operating system** upgrade, includes support for Netscape's **Lightweight Directory Access Protocol (LDAP)**; LDAP could make **directory** services a commodity. Microsoft is making available **application programming** interfaces (APIs) that provide developers with access to **Active Directory** or any other **OS directory** supporting LDAP. Novell, however, recommends that its NDS be used because LDAP 2.0 omits strong **authentication** features. Microsoft's software tools are expected to streamline tasks required to write applications that comply with LDAP, which provides a standardized way to gain access to application- and **OS** -specific **directories** . LDAP is being widely adopted by NOS vendors, which is advantageous for developers because LDAP may eliminate the need to write multiple versions of the same application to support many proprietary **directories** . Microsoft says that the intricacies of LDAP's API are disheartening to developers; it is rough code and hard to use. In contrast, **ADSI (Active Directory Service Interface)** is easier to work with, language-neutral, and LDAP-compliant. It can be used with Visual Basic, C++, Sun Microsystems Java, Perl, and other environments, says a product manager for **Windows NT Server** for Microsoft.

COMPANY NAME: Microsoft Corp (112127); Vendor Independent (999999);
Novell Inc (344893)
SPECIAL FEATURE: Charts
DESCRIPTORS: Communications Protocols; Computer Resource Management; IBM PC & Compatibles; Internetworking; Network Administration; Network **Directories** ; Network Software; **Windows NT /2000**
REVISION DATE: 20020630

22/5/8

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00097015 DOCUMENT TYPE: Review

PRODUCT NAMES: **AlertPage Enterprise (615005); NetWare Early Warning System (317012); NetWare Console Commander (429198); Seagate Server**

	Type	Hits	Search Text	DBs
1	BRS	833	713/202	USPAT
2	BRS	62	713/202.ccls. and counter	USPAT
3	IS&R	1	("4959860").PN.	USPAT
4	BRS	376	hot adj key	USPAT
5	BRS	210	port adj monitor	USPAT
6	BRS	1	(port adj monitor) and intrusion	USPAT
7	BRS	4	activity adj translator	USPAT
8	BRS	3	713/200.ccls. and binary adj representation	USPAT
9	BRS	2	713/201.ccls. and binary adj representation	USPAT
10	BRS	72	713/201.ccls. and intrusion	USPAT
11	BRS	4	packet adj sniffer	USPAT
12	BRS	1	713/201 and packet adj sniffer	USPAT
13	BRS	1631	713/201	USPAT
14	BRS	910	455/100	USPAT
15	BRS	2192	load adj balancing	USPAT
16	BRS	58	(load adj balancing) and dce	USPAT
17	BRS	141	(load adj balancing) and application adj server	USPAT
18	BRS	93	713/178	USPAT
19	BRS	193	713/165	USPAT
20	BRS	211	713/180	USPAT
21	BRS	6	proximity and mutual adj authentication	USPAT
22	BRS	192391	proximity	USPAT
23	BRS	35978	proximity and computer	USPAT
24	BRS	548	(proximity and computer) and authentication	USPAT
25	BRS	29	virus and security adj levels	USPAT

	Time Stamp	Comments	Error Definition	Errors
1	2004/09/19 16:11			0
2	2002/06/26 17:43			0
3	2002/06/26 17:43			0
4	2002/07/24 10:18			0
5	2002/07/24 10:31			0
6	2002/07/24 10:23			0
7	2002/07/24 10:33			0
8	2002/07/24 10:34			0
9	2002/07/24 13:55			0
10	2002/07/24 14:50			0
11	2002/07/24 14:36			0
12	2002/07/24 14:36			0
13	2002/07/24 14:38			0
14	2002/07/24 14:51			0
15	2002/09/25 16:53			0
16	2002/09/25 17:02			0
17	2002/09/25 17:02			0
18	2002/10/21 11:00			0
19	2002/10/21 11:01			0
20	2002/10/21 11:02			0
21	2003/01/06 07:54			0
22	2003/01/06 07:54			0
23	2003/01/06 07:54			0
24	2003/01/06 07:55			0
25	2003/01/28 12:36			0

Set	Items	Description
S1	143376	WINDOWS94 OR WINDOWS98 OR WINDOWS3.1 OR WINDOWS() (95 OR 98 OR XP OR ME OR MELLINIUM() EDITION OR NT OR 2000 OR OS OR OPERATING() SYSTEM OR 3.1) OR OS OR OPERATING() SYSTEM?
S2	849670	REGISTRY OR REGISTRIES OR REGISTER? OR LIST? ? OR DIRECTOR? OR INDEX? OR CHECKLIST? OR CHECK() LIST? OR ITEMIZATION OR LOG OR INDICES
S3	3489662	ALTER? OR UPDAT? OR UP() (DATE? ? OR DATING OR GRAD???) OR - UPGRAD??? OR CHANG??? OR MODIF???? OR EDIT??? OR REVIS??? OR - REVAMP? OR REWORK?
S4	559	EXECUTABLE() (APPLICATION? OR PROGRAM?)
S5	102168	VIRUS OR MALICIOUS() CODE? OR TROJAN() HORSE OR WORM
S6	4429646	VERIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT? - OR JUDGE? OR AUTHENTICAT? OR VALIDAT? OR IDENTIFY?
S7	1128771	INTEGRITY OR FAIL() PROCESS? OR ERROR() (CONTROL OR CORRECTING) OR FAULT() TOLERAN? OR RELIABIL? OR STABLE() ROUTING OR SCALABILITY OR FAILURE? OR RESTRICTION? OR CONSTRAINT? OR DEFINITION?
S8	7126977	EXECUT? OR PERFORM? OR DISCHARG? OR OPERAT? OR FUNCTION?
S9	390231	APPLICATION?() PROGRAM? OR COMPUTER() (SOFTWARE OR PROGRAM?)
S10	899	S1 (3N) S2
S11	135	S3 AND S4
S12	0	S10 AND S11
S13	0	S10 AND S4
S14	15	S10 AND S5
S15	76996	S6 AND S9
S16	37058	S15 AND S8
S17	8	S10 AND S16
S18	0	S17 AND S5
S19	23	S14 OR S17
S20	1074	S1 AND S5
S21	137	S20 AND S2
S22	9501	S6 AND S7 AND S9
S23	1	S22 AND S10
S24	23	S19 OR S23
S25	16	S24 NOT PY>1999
S26	16	S25 NOT PD>19990723
S27	16	RD (unique items)
File	8: Ei	Compendex(R) 1970-2003/Aug W3 (c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation	Abs Online 1861-2003/Aug (c) 2003 ProQuest Info&Learning
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File	233: Internet & Personal	Comp. Abs. 1981-2003/Jul (c) 2003, EBSCO Pub.
File	94: JICST-EPlus	1985-2003/Aug W4 (c) 2003 Japan Science and Tech Corp (JST)
File	99: Wilson Appl. Sci & Tech	Abs 1983-2003/Jul (c) 2003 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2003/Aug W2 (c) 2003 FIZ TECHNIK

27/5/1 (Item 1 from file: 202)
DIALOG(R)File 202:Info. Sci. & Tech. Abs.
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2602357

Manitoba software industry: catalogue of capabilities.
Book Title: Report No: MIC-90-00452/HCW
Corporate Source: INFOTECH Manitoba, Winnipeg, Manitoba
(106 pages)
Publication Date: 1989
Language: English
Document Type: Book Chapter
Record Type: Abstract
Journal Announcement: 2600

This is a listing of companies marketing software. Information was gathered through a survey which located over 75 companies marketing software products in electronics engineering, farm management, computer graphics, educational courseware, artificial intelligence, data base management, business administration, health, and applications development tools and communications. Companies are listed alphabetically by category, and information is given on hardware compatibility, **operating systems**, method of distribution, **list** of agents, and products.

Descriptors: Canada; Catalogs; **Computer**—**programs**; Directories
Classification Codes and Description: 4.06 (Directories); 3.08 (Copying, Printing); 6.05 (Physical Sciences and Engineering)
Main Heading: Information **Recognition** and Description; Information Generation and Promulgation; Information Systems and Applications

27/5/2 (Item 2 from file: 202)
DIALOG(R)File 202:Info. Sci. & Tech. Abs.
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1302106

A directory of computer software applications-minicomputer and microcomputers.
Book Title: Report For 1964 To August 1977. 1977 October. National Technical Information Service, Springfield, Virginia. 90 P. Ntis: Pb-272 972/lga; Hc (e11), Mf (e11).
Author(s): Grooms, David W
Publication Date: 1977
Language: English
Document Type: Book Chapter
Record Type: Abstract
Journal Announcement: 1300

The **computer programs** or the **computer program** documentations cited in this directory has been developed to satisfy minicomputer/microcomputer systems needs as well as minicomputer/microcomputer applications needs. Included in the applications area in mini-microcomputer applications needs. Medicine, electronics design, chemistry and chemical engineering, physics, pattern **recognition**, computer graphics, energy, environmental studies and others. Minicomputer/microcomputer systems software cited in the **directory** includes compilers, **operating systems**, translators and cross assemblers. Also cited in mini-microcomputer software used in computer networks and communications networks.

Classification Codes and Description: 5.02 (Computer Systems General)
Main Heading: Information Processing and Control

27/5/3 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4909627 INSPEC Abstract Number: C9505-6180-001

Title: Basic design of SHOSHI operating system that supports handwriting interfaces

Author(s): Hayakawa, E.; Namiki, M.; Takahashi, N.

Author Affiliation: Dept. of Comput. Sci., Tokyo Univ. of Agric. & Technol., Japan

Journal: Transactions of the Information Processing Society of Japan
vol.35, no.12 p.2590-601

Publication Date: Dec. 1994 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The paper describes the basic design of the SHOSHI **operating system (OS)** that supports handwriting interfaces. The key concept of this OS is to present the fundamental architecture of a paper metaphor. We propose the concept of "virtual paper", conceived to duplicate useful attributes of the real thing. From our experience in pen application development, handwriting interfaces have the following characteristics: diversity, polysemy and immediate pen response. "Virtual paper" also has these characteristics. To utilize diversity, attributes-data type and handling procedures-are freely definable by the user. To utilize polysemy, "virtual paper" provides data conversion by the way of attribute conversion and data linking mechanism. Unifying the system interface into "paper" we manage the "virtual paper" features in the OS layer. Moreover, attributes must be definable by user programs and **registered** in the OS dynamically. However, conventional OS 's cannot **register** API (**Application Program Interface**)'s dynamically. To utilize dynamic API registration, the OS provides dynamic linking. For storing linked data, the OS provides a one level store facility and the OS is implemented from each resource management subsystem in order to maintain immediate pen response. As a result of this design, this system can present the system interface unified into "paper". (19 Refs)

Subfile: C

Descriptors: **application program** interfaces; data structures; handwriting **recognition** ; **operating** systems (computers); user interfaces ; word processing

Identifiers: SHOSHI **operating** system; handwriting interfaces; paper metaphor; virtual paper; pen application development; data type; data handling; polysemy; data conversion; attribute conversion; data linking mechanism; OS layer; **Application Program Interface**; dynamic API registration; dynamic linking; resource management subsystem; system interface

Class Codes: C6180 (User interfaces); C6120 (File organisation); C6150J (Operating systems); C6150E (General utility programs); C6130D (Document processing techniques)

Copyright 1995, IEE

27/5/4 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00540826 99PK07-204

Back Orifice returns, poses Win NT threat

Rapoza, Jim

PC Week , July 19, 1999 , v16 n29 p1, 20, 2 Page(s)

ISSN: 0740-1604

Company Name: Cult of the Dead Cow; Microsoft

Product Name: BackOffice 2000; Microsoft Windows NT

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Discusses the release of Back Office 2000, a hacker application by Cult of the Dead Cow of Lubbock, TX. Says that the latest version makes it possible for a hacker to take over Windows NT systems and is open-source, making code changes harder to detect by anti- **virus** scanners. Notes that these features pose more of a threat to corporate systems. Recommends that companies that discover infected machines do a system cleanup by looking

for recently modified files that do not fit known applications. Explains that it may be necessary to do a complete rehab of the operating system. Concludes that the most dangerous of the new features is a remote control function, which can make any directory a shared directory. Observes that this could allow an internal hacker to control NT machines. (cb)

Descriptors: Hackers; Windows; **Virus** ; **Operating Systems** ; **Directories^ Secu** ; Security

Identifiers: BackOffice 2000; Microsoft Windows NT; Cult of the Dead Cow; Microsoft

27/5/5 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00447303 97IW01-321

Norton Utilities 2.0 remains strong, adds features

Peschel, Joe

InfoWorld , January 27, 1997 , v19 n4 p125, 1 Page(s)

ISSN: 0199-6649

Company Name: Symantec

Product Name: Norton Utilities 2.0 for Windows 95

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: Microsoft Windows 95; IBM PC Compatible

Geographic Location: United States

Presents a favorable review of Norton Utilities 2.0 for Windows 95 (\$79), a disk utility from Symantec Corp. of Cupertino, CA (800, 541). Says that Version 2.0 includes all the previous product's capabilities, in addition to improvements such as new sensors that monitor drive performance and Internet traffic. Spotlights NU 2.0's ability to easily edit **Windows 95 Registry** and automatically update **virus** definitions. However, complains that the utility is unable to use the File compare feature on all files, and Registry tools are incapable of compacting the Registry. Lists nine new and improved features. Contends that if you have the first release, the additional ease-of-use options and the multimedia reference are worth the upgrade. Contains one screen display, one product summary, and one table. (smg)

Descriptors: Utility Program; **Virus** ; Window Software; Web Browsers; File Management; Software Review; Internet

Identifiers: Norton Utilities 2.0 for Windows 95; Symantec

27/5/6 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00432290 96IW08-213

Ornetix CD-Vision offers scalable, easy-to-use CD management

Marshall, John

InfoWorld , August 19, 1996 , v18 n34 pN/7, 1 Page(s)

ISSN: 0199-6649

Company Name: Ornetix Network Products

Product Name: CD-Vision; CD-Commander

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B; B

Hardware/Software Compatibility: IBM PC Compatible; NetWare; Microsoft Windows; Microsoft Windows 95; Microsoft Windows NT

Geographic Location: United States

Presents a favorable review of CD-Vision v3.0 (\$795 for 10 users) and CD-Commander v1.02 (\$295), CD-ROM client/server software from Ornetix Network Products of San Jose, CA (800, 408). CD-Vision runs on IBM PC compatibles with NetWare 2.x, 3.x, or 4.x, or Windows NT. CD-Commander runs on PCs with Windows 3.x, 95, or NT. Explains that CD-Vision can turn almost any NetWare client workstation with locally attached, advanced SCSI

programming interface-compliant SCSI CD-ROM drives into a dedicated, sharable CD-ROM server. Reports that CD-Vision can share other types of optical SCSI devices such as **WORM** and magneto-optical drives, and can support up to 250 concurrent users. States that CD-Commander manages all connection operations transparently and allows you to create titles from the management workstation. However, says CD-Vision has no native Novell **Directory Services** and **Windows NT** environment support. Includes two screen displays, one sidebar, and a products summary. (jo)

Descriptors: Client-Server Computing; CD-ROM Drive; Software Review; Window Software; Networks

Identifiers: CD-Vision; CD-Commander; Ornetix Network Products

27/5/7 (Item 4 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00429603 96OL07-011

Tweaking your computer

Crawford, Walt

Online , July 1, 1996 , v20 n4 p72-77, 6 Page(s)

ISSN: 0146-5422

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Focuses on utility software for computer systems. Overviews seven categories of utility software for Windows 3.x, Windows 95, and Mac OS. Claims that screensavers are the most popular utility, even though they are no longer necessary. **Lists** other utilities as **operating system** extensions, which add or enhance operating system functions; interface enhancements and replacements, which allow the look and feel of the computer to be customized; memory and performance, which boost RAM and speed up applications; backup programs, which store and protect data; **virus** protection, which protects the computer from damaging viruses; and diagnostic and repair tools, which includes disk performance functions. Conclude that utility programs are hard to do without. Includes one sidebar. (kgh)

Descriptors: Software Tools; Utility Program; Troubleshooting; Productivity Software; Memory; **Virus** ; Screen Savers

27/5/8 (Item 5 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00424465 96CW05-007

Novell cozies up to 'net -- Lightweight Directory Access Protocol support opens NDS to the Internet

DiDio, Laura

Computerworld , May 6, 1996 , v30 n19 p69, 1 Page(s)

ISSN: 0010-4841

Company Name: Novell

Product Name: NetWare

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Reports the Novell's support of the lightweight directory access protocol (LDAP) will enable businesses to use the Internet to access information stored in NetWare file servers. Says the protocol developed by the University of Michigan was designed to provide MS-DOS, Windows, and Macintosh systems with thin clients capable of accessing the Internet. Adds that LDAP is expected to be adopted by the Internet Engineering Task Force. Also says Novell's support for LDAP will enable software application developers to create NetWare Directory Services (NDS) applications by using one set of **application programming** interfaces. Notes that LDAP itself does not include strong security **authentication** . Includes a chart. (dpm)

Descriptors: Standards; **Directories** ; Internetworking; Network **Operating Systems**

Identifiers: NetWare; Novell

27/5/9 (Item 6 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00423691 96PM05-069

Plug the gaps in Windows 95 -- Ten things Microsoft left out

Fields, Bill

PC/Computing , May 1, 1996 , v9 n5 p134-142, 8 Page(s)

ISSN: 0899-1847

Company Name: Microsoft

Product Name: Microsoft Windows 95

Languages: English

Document Type: Feature Articles and News

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

Geographic Location: United States

Presents a section listing the ten products best suited to compensating for weaknesses in Windows 95. The ten areas of weakness (and the products recommended to solve the problem) are: program launchers (Norton Navigator 95), file management (Norton Navigator 95 and Quick View Plus), disk diagnostics (Norton Utilities 95), memory management (QEMM 8), system maintenance (Metz Scheduler), font management (FontMinder 3.0.4), disk compression (Microsoft's Plus 95), application uninstallers (CleanSweep 95), virus protection (Dr. Solomon's Anti-Virus Toolkit 95), and file transfer (LapLink for Windows 95). Includes a **directory** of sources of the Windows utilities recommended and others described as well as estimated street prices. Includes one illustration and 10 screen displays. (djd)

Descriptors: Window Software; Utility Program; File Management; Memory; Compression; **Virus**; Data Transmission

Identifiers: Microsoft Windows 95; Microsoft

27/5/10 (Item 7 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00420082 96WN04-042

Prevent a titanic disaster -- When you get that sinking feeling, throw your PC a lifeline!

Kenworthy, Karen

Windows Magazine , April 1, 1996 , v7 n4 p178-188, 5 Page(s)

ISSN: 060-1066

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Focuses on minimizing losses from computer down time by attempting to forestall such problems as hard disk crashes, viruses, or operating system malfunctions. Advises running a **virus**-checking program if you notice slow or strange performance from your system. Also recommends testing the hard disk with ScanDisk, checking for overheating, re-seating all adapter cards, and reinstalling software. Discusses how to restore the Registry by removing the System, Hidden, and Read-Only attributes from files in Windows 95. Attention is given to the Windows 95 SYSTEM.DAT, SYSTEM.1ST, and USER.DAT files; and explains how to rebuild a hard disk. Sidebars consider installing a hard disk drive, how Control Panel can make a new startup diskette for you, and the organization of **Windows NT** and 95's **Registry** to store system settings and driver information. Includes three screen displays. (jo)

Descriptors: Troubleshooting; Diagnostics; Hard Disk Drive; Operating Systems; Window Software; **Virus**

27/5/11 (Item 8 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00417152 96PV03-003

Ward off infections under Windows 95 -- Windows computing

Holzberg, Carol S

PC Novice , March 1, 1996 , v7 n3 p21-22, 2 Page(s)

ISSN: 1052-1186

Company Name: S&S Software International; Symantec; McAfee

Product Name: Dr. Solomon's Anti- **Virus** ToolKit For Windows 95; Norton
AntiVirus For Windows 95; WebScan; VirusScan for Windows 95

Languages: English

Document Type: Buyer and Vendor Guide

Grade (of Product Reviewed): B; B; B; B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
95

Geographic Location: United States

Presents a comparative review of four **virus** -protection programs designed for Windows 95. Provides favorable reviews of: Dr. Solomon's Anti-**Virus** ToolKit For **Windows 95** (\$125, **list**) from S&S Software International (800, 617), which can detect and repair damage caused by 7,500 different viruses; Norton AntiVirus For Windows 95 (\$79, **street**) from Symantec (800, 503), which is customizable; VirusScan For Windows 95 (\$45 **street**) from McAfee Inc. (408), which provides superior integration with Windows 95 Explorer, but is less robust than the other products reviewed; and WebScan (\$45) from McAfee Inc. (408), which is designed to protect from online viruses. Includes two screen displays. (bjp)

Descriptors: **Virus** ; Software Review; Disk Files; Security; Utility Program; Window Software

Identifiers: Dr. Solomon's Anti- **Virus** ToolKit For Windows 95; Norton AntiVirus For Windows 95; WebScan; VirusScan for Windows 95; S&S Software International; Symantec; McAfee

27/5/12 (Item 9 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00403408 95PI11-263

InocuLAN 3.0

Boyle, Padraic

PC Magazine , November 21, 1995 , v14 n20 p258-259, 2 Page(s)

ISSN: 0888-8507

Company Name: Cheyenne Software

Product Name: InocuLAN

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

Geographic Location: United States

Presents a favorable review of InocuLAN 3.0 (\$395 for 25 nodes to \$995 for 1,000 nodes), an antivirus program for LANs from Cheyenne Software Inc. (800). The program protects NetWare 3.x and 4.x file servers and DOS, Windows, and Macintosh clients. The program allows users to schedule connections to Cheyenne's BBS for automatic updating of **virus** information. After the files are downloaded, the program propagates them to every server and client running InocuLAN. Users of Cheyenne's ARCserve backup program can incorporate it with InocuLAN which enables the administrator to be confident that both the server and backup are uninfected. Registered ARCserve users can obtain InocuLAN for ARCserve for half the **list** price. InocuLAN for **Windows NT** (\$895 for one server, \$3,995 for five servers) is also available and is compatible with Microsoft Systems Management Server. (djd)

Descriptors: **Virus** ; Local Area Networks; Software Review; Window Software

Identifiers: InocuLAN; Cheyenne Software

27/5/13 (Item 10 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003, EBSCO Pub. All rts. reserv.

00294213 92IW11-045

Supporting remote users of your LAN--Part 1: the basics

Merenbloom, Paul

InfoWorld , November 2, 1992 , v14 n44 p44, 1 Page(s)

ISSN: 0199-6649

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

LAN TALK column presents ideas for LAN administrators to consider when implementing remote-access computing on your LAN including security, system integrity, and ease of use. Recommendations include: uses a dial-back feature; use software with multiple passwords; regularly change passwords; install a **virus**-checking program on the modem-equipped machines; secure the files and directories on the host PC; use network **operating system** tools to identify, **log** , and restrict access; consider an 800 number; plan use of your resources; and develop and distribute a reference g for remote computing. (jlb)

Descriptors: Remote Computing; Networks; Administration; MIS

27/5/14 (Item 11 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003, EBSCO Pub. All rts. reserv.

00282721 92PW07-052

Antivirus software -- You escaped Michelangelo, but you may not be so lucky next time. Here are 24 antivirus programs that will let you breathe a little...

Marshall, Patrick

PC World , July 1, 1992 , v10 n7 p199-203, 5 Page(s)

ISSN: 0737-8939

Languages: English

Document Type: Buyer and Vendor Guide

Geographic Location: United States

Presents a tutorial on viruses, with a buyer's guide comparing features of 24 antivirus software packages. For each of the programs listed, the table indicates what portion of a disk the program scans for viral signatures, what it monitors, whether it provides network support, frequency and cost of updates, method of obtaining an update, and **operating systems** supported. A sidebar **lists** the 10 most frequently occurring viruses during the first quarter of 1992. Includes two illustrations, one table (djd)

Descriptors: **Virus** ; Vendor Guide; Security

27/5/15 (Item 12 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003, EBSCO Pub. All rts. reserv.

00203142 89BY10-038

A compendium of OS/2 applications A new OS /2 application guide lists hundreds of programs

Minasi, Mark J

BYTE , October 1, 1989 , v14 n10 p143-144B, 3 Pages

ISSN: 0360-5280

Languages: English

Document Type: Column

Geographic Location: United States

OS/2 NOTEBOOK column presents some OS/2 applications: Discus (\$3,600), a **WORM** controller board and drivers for OS/2; HyperAccess/5 (\$199), a communications program; BBS software (\$80) which lets BBSes run in the background; MsgVu (\$35), a facility which lets members of electronic conferences save and categorize messages; PrintQ (\$199), a mainframe-style disk-based print spooler; Prolog (\$650), a database package. Includes a directory o these products' makers. (irl)

Descriptors: OS/2; Controller; Data Communication; Computer Bulletin Board Systems; Computer Conferencing; Database; **WORM**

Identifiers: BBS software; Discus; HyperAccess/5; MsgVu; PrintQ;
MichTron; Advanced Graphics Applications; Hilgraeve; Dave Briccetti and
Associates; Software Directions

27/5/16 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2003 FIZ TECHNIK. All rts. reserv.

00887054 I95034559259

Titel japanisch

(Entwurf des Betriebssystems SHOSHI zur Unterstuetzung von
Handschriftschnittstellen)

(Basic design of SHOSHI **operating** system that supports handwriting
interfaces)

Hayakawa, E; Namiki, M; Takahashi, N

Dept. of Comput. Sci., Tokyo Univ. of Agric. & Technol., Japan

Transactions of the Information Processing Society of Japan, v35, n12,
pp2590-2601, 1994

Document type: journal article Language: Japanese

Record type: Abstract

ISSN: 0387-5806

ABSTRACT:

The paper describes the basic design of the SHOSHI **operating** system (OS) that supports handwriting interfaces. The key concept of this OS is to present the fundamental architecture of a paper metaphor. We propose the concept of "virtual paper", conceived to duplicate useful attributes of the real thing. From our experience in pen application development, handwriting interfaces have the following characteristics: diversity, polysemy and immediate pen response. "Virtual paper" also has these characteristics. To utilize diversity, attributes-data type and handling procedures are freely definable by the user. To utilize polysemy, "virtual paper" provides data conversion by the way of attribute conversion and data linking mechanism. Unifying the system interface into "paper" we manage the "virtual paper" features in the OS layer. Moreover, attributes must be definable by user programs and **registered** in the OS dynamically. However, conventional OS's cannot **register** API (**Application Program Interface**)'s dynamically. To utilize dynamic API registration, the OS provides dynamic linking. For storing linked data, the OS provides a one level store facility and the OS is implemented from each resource management subsystem in order to maintain immediate pen response. As a result of this design, this system can present the system interface unified into "paper".

DESCRIPTORS: DATA MODELS; **OPERATING** SYSTEM--COMPUTERS; USER INTERFACES;
MESSAGE PROCESSING; DATA; DATA CONVERTERS; HANDWRITING; APPLICATION
SOFTWARE; AUTOMATIC READING; CHARACTER **RECOGNITION** ; HANDWRITING
RECOGNITION

IDENTIFIERS: DATA HANDLING; **APPLICATION PROGRAM** INTERFACES; SHOSHI
OPERATING SYSTEM; HANDWRITING INTERFACES; PAPER METAPHOR; VIRTUAL PAPER;
PEN APPLICATION DEVELOPMENT; POLYSEMY; ATTRIBUTE CONVERSION; DATA LINKING
MECHANISM; OS LAYER; **APPLICATION PROGRAM** INTERFACE; DYNAMIC API
REGISTRATION; DYNAMIC LINKING; RESOURCE MANAGEMENT SUBSYSTEM; SYSTEM
INTERFACE; Betriebssystem; Handschriftschnittstelle

Set	Items	Description
S1	874560	WINDOWS94 OR WINDOWS98 OR WINDOWS3.1 OR WINDOWS() (95 OR 98 OR XP OR ME OR MELLINIUM() EDITION OR NT OR 2000 OR OS OR OPERATING() SYSTEM OR 3.1) OR OS OR OPERATING() SYSTEM?
S2	5969408	REGISTRY OR REGISTRIES OR REGISTER? OR LIST? ? OR DIRECTOR? OR INDEX? OR CHECKLIST? OR CHECK() LIST? OR ITEMIZATION OR LOG OR INDICES
S3	7791019	ALTER? OR UPDAT? OR UP() (DATE? ? OR DATING OR GRAD???) OR - UPGRAD??? OR CHANG??? OR MODIF???? OR EDIT??? OR REVIS??? OR - REVAMP? OR REWORK?
S4	2122	EXECUTABLE() (APPLICATION? OR PROGRAM?)
S5	217498	VIRUS OR MALICIOUS() CODE? OR TROJAN() HORSE OR WORM
S6	4027614	VERIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT? - OR JUDGE? OR AUTHENTICAT? OR VALIDAT? OR IDENTIFY?
S7	1769446	INTEGRITY OR FAIL() PROCESS? OR ERROR() (CONTROL OR CORRECTING) OR FAULT() TOLERAN? OR RELIABIL? OR STABLE() ROUTING OR SCALABILITY OR FAILURE? OR RESTRICTION? OR CONSTRAINT? OR DEFINITION?
S8	11549738	EXECUT? OR PERFORM? OR DISCHARG? OR OPERAT? OR FUNCTION?
S9	725391	APPLICATION?() PROGRAM? OR COMPUTER() (SOFTWARE OR PROGRAM?)
S10	27097	S1 (3N) S2
S11	392	S3 (S) S4
S12	3	S10 (S) S11
S13	5	S10 (S) S4
S14	194	S10 (S) S5
S15	55	S14 (S) S6
S16	13155	S6 (S) S9
S17	13155	S16 (S) S9
S18	18	S10 (S) S17
S19	6	S18 (S) S5
S20	9407	S1 (S) S5
S21	1406	S20 (S) S2
S22	16	S21 (S) S6 (S) S9
S23	85	S12 OR S13 OR S15 OR S18 OR S19 OR S22
S24	52	S23 NOT PY>1999
S25	31	S24 NOT PD>19990723
S26	27	RD (unique items)

File 623:Business Week 1985-2003/Aug 28

(c) 2003 The McGraw-Hill Companies Inc

File 647:CMP Computer Fulltext 1988-2003/Aug W1

(c) 2003 CMP Media, LLC

File 275:Gale Group Computer DB(TM) 1983-2003/Aug 28

(c) 2003 The Gale Group

File 674:Computer News Fulltext 1989-2003/Aug W3

(c) 2003 IDG Communications

File 696:DIALOG Telecom. Newsletters 1995-2003/Aug 29

(c) 2003 The Dialog Corp.

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

(c) 2002 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2003/Aug 28

(c) 2003 The Gale Group

File 624:McGraw-Hill Publications 1985-2003/Aug 28

(c) 2003 McGraw-Hill Co. Inc

File 484:Periodical Abs Plustext 1986-2003/Aug W4

(c) 2003 ProQuest

File 813:PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc

File 613:PR Newswire 1999-2003/Aug 29

(c) 2003 PR Newswire Association Inc

File 16:Gale Group PROMT(R) 1990-2003/Aug 28

(c) 2003 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 553:Wilson Bus. Abs. FullText 1982-2003/Jul

(c) 2003 The HW Wilson Co

26/3,K/1 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01181810 CMP ACCESSION NUMBER: WIN19990101S0062

Using Windows 2000 - Windows 2000 isn't on the showroom floor yet, but
we'll take you on a test drive with the most advanced Windows to date.
(Cover Story)

Scot Finnie, Senior Technology Editor
WINDOWS MAGAZINE, 1999, n 1001, PG146
PUBLICATION DATE: 990101
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 3708

... Windows 2000 Professional. The Index Server provides local content indexing as a background service, like a Web worm for your hard drive. You determine what directories it will index and the basic properties of files it will track. Switching this service...

26/3,K/2 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01156508 CMP ACCESSION NUMBER: IWK19980323S0052

TNG:A World View - CA's Unicenter TNG 2.1 covers almost all the bases with its wide-ranging enterprise-management framework and makes it simple to extend with its software toolkits. But there are some areas where you'll have to turn to other products for more depth.

Sean Gallagher
INFORMATIONWEEK, 1998, n 674, PG67
PUBLICATION DATE: 980323
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: InformationWeek Labs
WORD COUNT: 4919

... system. This category includes:operating-system agents, which can monitor almost every aspect of a machine's operating system ; log agents, which can monitor events and alerts logged to a file or log system by the operating system and applications running on it; process agents, which monitor the activity of specific applications or system processes running within the operating system; and script agents, which can run scripts and executable programs on a system. Script agents can be used in conjunction with any of the other system agents...

26/3,K/3 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01059430 CMP ACCESSION NUMBER: IWK19950724S0041

Faux-NetWare On Windows NT (spotlight)

James E. Gaskin
INFORMATIONWEEK, 1995, n 537, PG72
PUBLICATION DATE: 950724
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: OpenLabs
WORD COUNT: 1778

... many applications. Without support for NetWare 4.1, these products do not allow you to use NetWare Directory Services.

Many Windows NT options, such as SNA gateways and tape backup systems, duplicate NetWare server functions. However, many NetWare NLMs-such as Internet gateways, most accounting software, imaging systems,

management and control programs, and **virus detection** -either do not exist for Windows NT or have a single supplier. Further, many NetWare applications require...

26/3,K/4 (Item 4 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00616073 CMP ACCESSION NUMBER: CWK19881128S0933
DELAY ON SQL SERVER Microsoft Corp. and Ashton-Tate, Torrance, Calif., recently announced...
COMMUNICATIONSWEEK, 1988, n 224, 16
PUBLICATION DATE: 881128
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: 224PG16
WORD COUNT: 562

... the Bytex Unity NetView Link software costs \$12,600.
VIRUS SOFTWARE SPREADS
The aftermath of the Internet **virus** attack (CommunicationsWeek, Nov. 7) has spawned a new market of "anti-infection" software. Two software developers recently...

...USA, Fort Lee, N.J. Zeus' new Immunetec PC, a board-level product, checks files in a **directory** before the DOS **operating system** is invoked and **detects** when users tamper with code on system files. Immunetec PC runs on IBM PC, XT, AT and...

26/3,K/5 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02074158 SUPPLIER NUMBER: 19516681 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Enterprising Web servers. (five high-end Web servers reviewed) (includes related article on how products were tested) (Software Review) (Evaluation)
Krick, Jim
Computer Shopper, v17, n7, p614(8)
July, 1997
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6904 LINE COUNT: 00569

... at Interfaces
A Web-server vendor can implement a management interface in two ways: as a Windows **executable application** or as an HTML interface. While both have merit, an HTML management interface is typically much slower than a Windows **executable program**. And in addition to providing the quickest responses to commands, a Windows executable will be familiar to Windows users, relying on familiar tabbed dialog boxes or property sheets to make configuration **changes** to the **Windows NT Registry** in a fashion transparent to the user.

Microsoft's IIS and Netscape's Enterprise and FastTrack servers...

26/3,K/6 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01917314 SUPPLIER NUMBER: 18135727 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Make Win 95 do it your way. (Customizing Windows 95) (includes related article on basics of editing Registry) (Product Support) (Brief Article) (Tutorial)
Pastrick, Greg
Windows Sources, v4, n4, p142(3)

April, 1996

DOCUMENT TYPE: Brief Article Tutorial
English
WORD COUNT: 968

ISSN: 1065-9641

LANGUAGE:

RECORD TYPE: Fulltext
LINE COUNT: 00077

... OS that can support multiple users and configurations.

For a database that is so critical to the OS, the **Registry** is remarkably configurable. **Windows 95** provides two low-tech utilities to **modify** the Registry. The **Registry Editor**, an **executable program** in the Windows folder, uses an Explorer-like interface with basic **editing** features to manipulate Registry entries. The **System Policy Editor** lets you restrict features and functions to specific users and computers from an equally simple interface. Unlike the **Registry Editor**, the **System Policy Editor** is found only on the Win 95 installation CD. On a non-networked system, **System Policy Editor** directly **edits** the Registry; on a networked system, it enforces system policies across the network.

Both utilities are extremely...

26/3,K/7 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01904741 SUPPLIER NUMBER: 18015572 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Inoculating NT servers: anti-virus software shows potential. (InocuLAN 1:01 for Windows NT) (includes related article on test methodology) (PC Week Netweek) (Software Review) (Evaluation)

Phillips, Ken

PC Week, v13, n7, pN1(4)

Feb 19, 1996

DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1827 LINE COUNT: 00156

... NT is the only virus protection product currently available for Windows NT servers. The product offers good **detection** and is easy to use, but several areas need some work. Unified Front: InocuLAN's BackOffice certification means that the product supports unified **Windows NT log** -ins, runs as a service, and can be remotely deployed through SMS.

Corporate Scoreboard: InocuLAN 1.01...

26/3,K/8 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01857740 SUPPLIER NUMBER: 17497280 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Antivirus software. (overview of four articles on anti-virus software searchable under "Antivirus Software") (Picking Up the Pieces) (Software Review) (Evaluation)

Patz, Joel T.

PC Magazine, v14, n20, p180(2)

Nov 21, 1995

DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1042 LINE COUNT: 00083

... with the previously known record and tell you that something has changed. Since Windows 95 doesn't **recognize** this new application, a dialog box appears, informing you that the MBR has been modified while Windows 95 was not running and that you may have a **virus** . on the **list** **Windows 95** also maintains a **list** of known, proven, "safe" DOS device drivers. If you try to add a new INT-13- or INT-21-based device driver that Windows 95 doesn't **recognize**, you'll be told that you're now running in DOS compatibility mode. So if a **virus** doesn't infect the MBR but makes its inroads via a device driver, a message will notify...

26/3,K/9 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01674879 SUPPLIER NUMBER: 15068645 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1994 market directory issue: more than 600 information technology company listings. (vendors of health technology-related products and services, organizations and events) (Directory)
Health Management Technology, v15, n3, p14(113)
Feb 15, 1994
DOCUMENT TYPE: Directory LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;
ABSTRACT
WORD COUNT: 69033 LINE COUNT: 06228

Using the 1994 Health Management Technology Market Directory is easy. The **directory** is divided into two sections. The first section, Alpha Listings, is an alphabetical list of all organizations...customizable. SAVA's turn-key solutions are hardware-based and network-oriented, and incorporate smartcard access, user **authentication** and identification, encryption and audit functionality, and carry key government certifications and **validations**.

Scantron Corp. 1361 Valencia Ave. Tustin, CA 92680-6463 (800) 722-6876 ext. 650; (714) 259-8887...

26/3,K/10 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01260828 SUPPLIER NUMBER: 07218861 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hard Disk Organizer - type around long pathlists. (Software Review) (evaluation)
Smith, Brian R.
Rainbow, v8, n4, p136(2)
Nov, 1988
DOCUMENT TYPE: evaluation ISSN: 0746-4797 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 531 LINE COUNT: 00038

... In a hard drive system, the CMDS directory will invariably become unmanageable due to the number of **executable programs** found there. Hard Disk Organizer allows a user to develop menu-driven pathlists so that any application...

...accessed. Your OS-9 programs can then be called up with a single keystroke. It can also **change** the data and execution **directories** of any OS -9 operating system.

With my 512K CoCo 3, I was capable of building the required "menu options..."

26/3,K/11 (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

075368
Vendors offer solutions for Worm.ExploreZip virus
Byline: Margret Johnston
Journal: Network World
Publication Date: June 14, 1999
Word Count: 439 Line Count: 42

Text:

... providers have released updates and other services to prevent their customers from falling victim to the destructive **Worm .ExploreZip Trojan horse virus**. Symantec, Network Associates, Trend Micro and Panda Software are among the companies that have posted **virus** -definition sets that can **detect** the new **virus**. Meanwhile, FastLane Technologies,

developer of enterprise **Windows NT directory** management solutions, released an application to **detect** and disable the **virus**. The **virus** affects Microsoft Outlook and Exchange users. **Worm**.ExploreZip spreads when a user receiving mail that appears to be from someone they know unwittingly opens...

... receive a warning before attachments run. On Sunday, a user in Israel sent a copy of the **virus** to the Symantec Antivirus Research Center in Santa Monica, Calif. Consequently, Symantec made its Norton AntiVirus definitions available for download on Wednesday night. Norton AntiVirus users can download the current **virus** definitions through a service called LiveUpdate. Network Associate's AntiVirus Emergency Response Team received information on the **virus** at 2 a.m. Wednesday and promptly posted a remedy, said Sal Viveros, group marketing manager for Network Associate's Total **Virus** Defense. The update protects users of McAfee VirusScan and users of Doctor Solomon Antivirus Toolkit, who are...

... and Germany. Users who want to avoid a download and just want to find out whether the **virus** has been sent to them can go to www.mcafee.com for an online scan. Traffic at that site has increased 600% since word of the **virus** came out, Viveros said. About 60% of Network Associate's top tier customers suffered severe damage caused by the **virus** believed to have originated in Israel, Viveros said. All the information Network Associates researchers collected has been...

... said. FastLane is not a traditional antivirus vendor. However, the company is offering a solution. FastLane provides **detection** software that can help contain the damage, said Jan Kaminski, president of FastLane Technologies based in Halifax, Nova Scotia. "What we can do from a central administrative desk is **detect** whether or not the **virus** is running and shut down a remote machine and disable the **virus**," Kaminski said. "Then the user has to use proper antivirus software to eradicate the **virus**." AT&T, Microsoft and Dell have ordered FastLane's **detection** software to protect their internal networks. Most organizations are now aware of the **virus**, but the challenge for administrators managing networks with thousands of users remains, Kaminski said.

26/3,K/12 (Item 1 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
(c) 2003 The Dialog Corp. All rts. reserv.

00596162

INTRANETS WALL OFF THE WORLD

ELECTRONIC MESSAGING NEWS

March 18, 1998 VOL: 10 ISSUE: 6 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH

WORD COUNT: 1318

RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...sure enough, it has finally come to pass.

Firewalls are in everything from routers and switches to **operating systems** to traditional stand-alone devices. Market forces, too, have caused a consolidation of security vendors as companies...in electronic commerce. These services include three hot areas right now: Firewall protection, security assessment and intrusion **detection**, says Mathew Kovar, senior analyst at the Yankee Group in Boston.

"From an industry perspective, it's...They have set themselves up at the center of the enterprise security market."

The OPSEC alliance uses **application programming** interfaces (APIs) developed by Check Point to integrate third-party products into the security platform. Check Point will supply the following APIs:

* Content Vectoring Protocol, which enables integration

of **virus** scanning software with other content inspection programs;
* Suspicious Activity Monitoring Protocol, which enables the integration of suspicious activity monitoring programs and allows them to modify access privileges upon **detection** of suspicious network activity, such as several attempts to gain unauthorized access; and
* Uniform Resource Locator (URL) Filtering Protocol, which enables the integration of URL **list** services to limit access to specific Web pages.
In addition to providing the APIs, Check Point is...

26/3,K/13 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04070259 Supplier Number: 53561214 (USE FORMAT 7 FOR FULLTEXT)
SUN MICROSYSTEMS: Sun & Systems partners reach key milestone for Solaris Software on Merced processor.
M2 Presswire, pNA
Jan 12, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1648

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...the IA-64 Pre-silicon Software Development Environment represents a key milestone for the Solaris IA-64 **operating system**", said Mike Pope, **Director** of Server Software Programs, Intel Corporation. "This is an indicator of the strong industry-wide momentum behind...

...bit applications today with the Solaris 7 Operating Environment running on 64-bit Sun systems. The Solaris **Application Programming Interface** (API) and Device Driver Interface (DDI) are common across all Solaris platforms. This means that ISVs...Corporation NCR Corporation (NYSE: NCR) is in the business of transforming transactions into relationships. NCR is a **recognized** world leader in data warehousing solutions, ATMs, point-of-sale, high performance scanners, and support services for...

26/3,K/14 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03903771 Supplier Number: 50089061 (USE FORMAT 7 FOR FULLTEXT)
-MICROSOFT: Microsoft releases Japanese version of "Microsoft Plus! 98" on July 25
M2 Presswire, pN/A
June 18, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 729

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...games and a CD player with Internet support, as well as powerful utilities such as an anti-**virus** utility which works in cooperation with Windows 98 as a built-in system tool, and a disk...

...digital camera, touching up and eliminating red-eye, changing image size, adjusting brightness and contrast and cropping. **Virus** Scanning and Disinfection. Plus! 98 includes McAfee VirusScan. Working in cooperation with the Windows 98 built-in...

...scan the hard disk while the screen saver is running to ensure a safe computing environment. (McAfee **Virus** Scan works on PC/AT compatibles

machines only.) Enhanced Disk Clean-Up. Plus! 98 **detects** rarely or never used files, allowing users to deleting those files from the system and recover disk...

...Plus! 98 -- Introduction Date: Saturday, July 25, 1998 -- Estimated Retail Price: Yen 5,800 Microsoft, Windows and **Windows NT** are **registered** trademarks of Microsoft Corporation in the U.S. and other countries. Windows is formally specified as "Microsoft..."

26/3,K/15 (Item 3 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03882601 Supplier Number: 48487174 (USE FORMAT 7 FOR FULLTEXT)
-VIRCON: Vircon launches Hardwall -- new concept in computer security
M2 Presswire, pN/A
May 18, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 686

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...partitioning and is particularly suited to applications involving networks, such as the Internet. HARDWALL provides protection against **virus** attack, hacking, data theft, illegal access and data corruption and is designed to meet a user's...

...Write Many Recoverable (WMR) partition. If information stored in a WMR partition is corrupted for any reason (**virus** , hacking, software bug or the like) this will be removed automatically on power cycling (turning the PC...

...would connect to the Internet through a selected partition. HARDWALL would not prevent a malicious program or **virus** or a hacker from gaining access to the selected partition but totally protects the rest of the system and warns the user of any attempts to illegally cross partition boundaries. With regard to **virus** attack, HARDWALL is indifferent to the nature of the **virus** and simply protects the user's system from corruption by isolating the **virus** to the partition where it was introduced. Although no updates are required for the operating of HARDWALL, the supplied software includes Symantec Norton AntiVirus Scanner for use in the selected partition should a **virus** be **detected** . Partitioning is effected by the inclusion in the installation of PartitionMagic Lite from PowerQuest. HARDWALL plugs into...

...or EIDE interface hard disk drives and runs under Windows* 3.x, '95 and NT 4.0 **operating systems** . Peter Barlow, **Director** and General Manager of Vircon said: "There are over 16,000 known computer viruses and that number...

...for every computer user. HARDWALL is a unique hardware approach to overcoming the enormous combined threats of **virus** attack, hacking and the corruption of system configurations, which face companies and home users alike. So far...

26/3,K/16 (Item 4 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02964222 Supplier Number: 46038690 (USE FORMAT 7 FOR FULLTEXT)
ANTI VIRUS: CHEYENNE SHIPS INOCULAN 1.01 FOR WINDOWS NT SERVERS & WORKSTATION; INDUSTRY'S FIRST REAL-TIME VIRUS SCANNING FOR WINDOWS NT
EDGE: Work-Group Computing Report, pN/A
Jan 1, 1996
Language: English Record Type: Fulltext

Document Type: Newsletter; Trade
Word Count: 544

... scanner that detects nearly all known viruses as certified by the National Software Testing Laboratories (NSTL).

InocULAN **detects**, identifies and cures -- boot, file, multipartite, stealth, polymorphic, and macro viruses. When a **virus** is **detected**, InocULAN notifies the user immediately, as well as sends an alert via Microsoft Mail, alphanumeric pager, SNMP, network broadcast, fax, or printed trouble ticket. InocULAN maintains a detailed activity log of all **virus** scans across the network. The product also records to the **Windows NT** system event **log**.

InocULAN 1.01 for Windows NT is unique in that it allows administrators to manage an entire...

26/3,K/17 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02841026 Supplier Number: 45760439 (USE FORMAT 7 FOR FULLTEXT)

REPORTS - WINDOWS 95: A SECURITY FLAW AND BUGS GALORE

Computer Fraud & Security Bulletin, pN/A
Sept 1, 1995

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 491

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...many new features including a possible security 'back door' in its Registration Wizard. The Registration Wizard allows **Windows 95** users to **register** their programs with Microsoft online. However, the registration program apparently permits Microsoft to **interrogate** a user's computer environment, yielding to the Redmond, Washington based firm, information on what PC applications...

...himself or his company identified, conceded that while many online service providers do the same thing when **registering** their clients, the **Windows 95** Registration Wizard is -significantly more sophisticated in the way it gathers file information". He stated that while Microsoft was primarily interested in **identifying** pirated copies of its software on users' systems, such a security hole could permit abusive browsing of...

...aware of the strength of the Wizard file management capabilities since -they [Microsoft] could be using unpublished **Application Program Interfaces (APIs)**", unknown to even the most seasoned Windows user. One knowledgeable software expert confirmed that the...

...five-hour period. While loading the 13 diskettes comprising Windows 95, Wilson's computer repeatedly failed to **recognize** the second diskette. When loading the CD version of the Windows upgrade program, Wilson reported that his...

26/3,K/18 (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01130542 Supplier Number: 40884141 (USE FORMAT 7 FOR FULLTEXT)

TECHNICAL EVALUATION - DR SOLOMON'S ANTI-VIRUS TOOLKIT

Computer Fraud & Security Bulletin, v11, n10, pN/A
August, 1989

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 2777

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...past year, even to the extent of reports being run on television news. In essence a computer **virus** is only a **computer program**, but it has the distinguishing feature that it is capable of replicating itself, and transforming from one disk to another. If a **virus** gets in to your computer system, it can proliferate and cause problems with the operation of the...

...malicious side-effects. Much effort, and endless hours of discussion, have been devoted to the problem of **detecting** and eradicating computer viruses. The stated aim of the anti- **virus** toolkit is to provide accurate information about the viruses that are currently around, details of how they work, and a set of **computer programs** (tools) useful for dealing with the **virus** problem. It is published by Alan Solomon who has kept a very high profile in the UK with regard to computer **virus** infections. In the UK you would have to have been either a monk or a troglodyte over...

...users purchase a valid copy by explaining that any pirate copy may itself be infected with a **virus**, hence the quote: "Don't put your data at risk, buy a legal copy of this software..."

...disk. This is essential when you are dealing with viruses which can corrupt programs and/or the **operating system** by altering the disk resident copies of such information. The software in the toolkit splits into three...

...which help the user to manipulate disks and/or files, and programs that try to prevent a **virus** taking action. There is no space to go into all of these programs in detail, consequently I...

...weaknesses. First the programs that locate and eradicate viruses. These are the best part of the anti- **virus** toolbox. The program called FINDVIRUS looks for known **virus** signatures' by comparing files for sequences of bytes known to exist in current viruses. It has the...

...and insurmountable) limitation that it can only check for viruses that are known to exist. Any new **virus** will not be **detected** until this program has been upgraded. FINDVIRUS knows when it is dealing with a floppy disk, and...

...half full, this corresponds to a checking rate of 30 Kbytes per second. If you get a **virus** infection and therefore need to check every floppy disk in the company (yes, you must check every...

...indicate what a mammoth task this can be. The method of checking for files altered by a **virus** (CHKVIRUS) actually comprises three programs -SHERLOCK, HOLMES and WATSON. Respectively these calculate a set of fingerprints' (checksums) for a specified **list** of files, **detect** any changes in the files specified in this **list** by checking the fingerprints, and create the **list** of files to be checked. My first attempt at running SHERLOCK produced the error message "Can't..."

...handling is needed. My initial attempts at running WATSON fared even worse. This program should create a **list** of files in a form suitable for reading by the program SHERLOCK, which then calculates their fingerprints. The...

...fingerprints remains a secret known only to Alan Solomon. To prevent reverse engineering by a particularly clever **virus**, this algorithm should be cryptographically strong. If it is not, it may be possible to deduce the ...Be warned. One of the programs is used solely to execute other programs. If you think a **virus** is present which infects files, then using this program every time another program is executed provides a...

...version of a 'Sacrificial Goat'. If the executable image of a program stored on disk changes, a **virus** infection may be the cause. Once you know this, and can pinpoint the infection, other tools can...

...to provide further information. I like this idea, it seems a useful way of persuading a dormant **virus** to attack a known target file. The program

TRYOUT attempts to write to the boot sector of...

...the manual, the last method is kept secret. This program can be used to test how well **virus** prevention programs from other vendors work (or don't). The documentation accompanying TRYOUT in the manual claims that all of the anti-**virus** programs so far tested have failed this test. However no details are given, which relates the comments...

...a disk against specified viruses. Many viruses inspect a disk to see if a copy of the **virus** is already present before they replicate themselves and infect the disk. If they did not do this...

...infected to such an extent that the system became unusable. Such a strategy does not help the **virus** to survive. Inoculation programs are provided against the following viruses : Brain, Italian, Stoned, 648, 1813, 1701, 1704...

...latter ones are named after the amount they increase the size of an infected file). On a **virus** -free disk, an inoculation program writes the byte sequence which the **virus** tests to see if the disk is already infected. If the disk appears to be already infected, the **virus** does not try to infect the disk again. The analogy with inoculation against a biological **virus** is obvious. I have not commented on the programs that attempt to facilitate inspection of a disk...

...difference between Trojan Horses, logic bombs, time bombs and viruses : all of which are examples of malicious **computer programs** . The toolkit even contains a copy of a well known file called "The Dirty Dozen". This is regularly updated, and contains a **list** of the names of currently known malicious programs, together with a short description of their known effect ...

...the manual which describes what to do if you think that some of your computers have a **virus** infection. The main thing to do is also the hardest thing to do, precisely nothing. This prevents...

...I wholeheartedly agree with Alan Solomon's statement that "More damage is done by panic than the **virus** ". The first thing to do is to spend a few days thinking about the problem. The **virus** has probably been there for some while, and a couple more days won't make any difference, but a decent strategy may prevent further problems caused by panic measures. Don't buy the anti-**virus** toolkit if you don't have an ...The programs are only relevant to computers running one of the many versions of the MS-DOS **operating system** , and the information contained in the manual on viruses for other computers is admittedly second hand. Some...

...not mandatory. This point is particularly relevant in discussion of viruses, as one way in which a **virus** can attach itself to another program is to point this jump statement at its own code, do...

...one reason why viruses are sometimes unpredictable in their actions. The toolkit manual states that every file **virus** known to be in circulation resets the date and time on an affected file to its original value (section 2.3). It then contradicts itself by stating that the Lehigh **virus** does not reset the date of COMMAND.COM when it alters this file. On the whole the manual contains sensible advice, if populated with multitudinous plugs for Alan Solomon's services as a **virus** exterminator. The advice is somewhat obscured by jargon introduced somewhat unnecessarily e.g. IAFV (Indirect Action File **Virus**). I don't believe that such grandiose names help anybody. This is especially true when the manual does not contain a glossary explaining such terms. On a similar theme, neither does it contain an **index** , so looking for a particular item is only possible by digging around likely sections listed in the...

...a whole chapter dedicated to the computer viruses known to operate on PCs (nine in total). Each **virus** merits about a page of explanation. This is the strong point of the manual, and the explanations are very detailed. Nobody can work in ignorance, and knowing the symptoms of a **virus** can help enormously. The amount of work done on viruses shines through in this

'part of the...

...reboot. Nasty. The remedy is to always use the mains power switch to cause a reboot, no **virus** can survive that. I'm unhappy about the justification used to steer potential users away from utilities...

...clear concise functions. Such remarks seem to be merely a marketing ploy. Should you buy the anti- **virus** toolkit? On the down-side I'm unsure that inoculating disks against a possible future **virus** infection is a good tactic. Inoculation is by its very nature **virus** specific, and could conceivably cause problems. There are many loose ends in the programs provided in the toolkit, the error handling is abysmal, and some of the **virus** specific features can be obtained for free from programs placed in the public domain by their authors...

...who have had to fight infections of specific viruses. However if you think you may have a **virus**, the explanations of what to do are excellent, the **virus** specific portions of the toolkit seem comprehensive, and at UK49 you can't go far wrong price...

...the utility programs such as Norton and PC-Tools. They offer much more functionality than the anti- **virus** toolkit for inspecting disks, and when combined with the **virus** specific sections of the toolkit offer what is probably one of the best combinations currently available to fight a computer **virus** infection.

26/3,K/19 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2003 ProQuest. All rts. reserv.

04367424 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Internet 'guardians' can simplify security
Deckmyn, Dominique
Computerworld (COW), v33 n26, p69, p.1
Jun 28, 1999
ISSN: 0010-4841 JOURNAL CODE: COW
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 477

TEXT:

... WorldSecure Server or IBM's SecureWay FirstSecure.
FirstSecure, which shipped in March, includes IBM's eNetwork firewall, **virus** -checking tools from Network Associates Inc., content-filtering software from Content Technologies Inc., **authentication** technology from Security Dynamics Technologies Inc. and a policy management tool called Policy **Director**. FirstSecure runs on **Windows NT** and IBM's AIX and costs \$91 per user with volume discounts.
(Photograph Omitted)
Captioned as: WEBMASTER...

26/3,K/20 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06410871 Supplier Number: 54876836 (USE FORMAT 7 FOR FULLTEXT)
Worm Hits Thousands; Corporate data at risk from telecommuters. (Industry Trend or Event)
Harrison, Ann
Computerworld, p28(1)
June 14, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 460

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

A French Internet **worm** called PrettyPark, which infected thousands of Microsoft Windows users last week, can download company data used by...

...telecommuters often fail to regularly update their antivirus software, said Sal Viveros, group marketing manager for total **virus** defense at Network Associates Inc. (NAI) in Santa Clara, Calif. "As more and more people telecommute, that...

...break down a firewall," Viveros said. Trojan TerrorPrettyPark, for example, enters a user's system as a **Trojan horse** when Windows users open an attached e-mail file named PrettyPark. Unknown to users, the **worm** connects their PC to a custom IRC channel when they are logged on to a remote server...

...the creator of the custom channel or his robot program can download the victim's files, passwords, **log-in** data, **operating system** preferences and other personal information -- including stored credit-card numbers. PrettyPark also sends duplicate files of itself...

...addresses listed in the user's Internet address book. Antivirus software firms say they're trying to **determine** who's collecting this information. The **worm** has mostly attacked home users who are less likely to update antivirus software or use firewalls that...

...June 10]," said Nachenburg, whose company (www.symantec.com) distributes Norton AntiVirus software, which also blocks the **worm** . w

26/3,K/21 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06405073 Supplier Number: 54855579 (USE FORMAT 7 FOR FULLTEXT)

TO BUSINESS/TECHNOLOGY EDITORS:.

PR Newswire, p7047

June 11, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 476

... further
destruction

HALIFAX, N.S., June 10 /PRN-CNW/ - FastLane Technologies Inc., a leading developer of enterprise **Windows NT Directory** Management solutions, today released an application to **detect** and disable the **Trojan Horse** e-mail **virus (worm)** termed **Worm**. ExploreZip. The application is available as a free download from the FastLane web site at www.fastlanetech.com/worm _

26/3,K/22 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06061406 Supplier Number: 53444233 (USE FORMAT 7 FOR FULLTEXT)

Using Windows 2000 -- Windows 2000 isn't on the showroom floor yet, but we'll take you on a test drive with the most advanced Windows to date. (Software Review) (Evaluation)

Finnie, Scot

Windows Magazine, p146(1)

Jan 1, 1999

Language: English Record Type: Fulltext

Article Type: Evaluation

Document Type: Magazine/Journal; General Trade

Word Count: 3747

... Windows 2000 Professional. The Index Server provides local content

indexing as a background service, like a Web **worm** for your hard drive. You **determine** what directories it will index and the basic properties of files it will track. Switching this service...

26/3,K/23 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05523965 Supplier Number: 48372482 (USE FORMAT 7 FOR FULLTEXT)

A World View

Gallagher, Sean

InformationWeek, p67

March 23, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 4961

... system. This category includes: Operating-system agents, which can monitor almost every aspect of a machine's **operating system**; **log** agents, which can monitor events and alerts logged to a file or **log** system by the **operating system** and applications running on it; process agents, which monitor the activity of specific applications or system processes running within the operating system; and script agents, which can run scripts and **executable programs** on a system. Script agents can be used in conjunction with any of the other system agents...

26/3,K/24 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04210639 Supplier Number: 46158731 (USE FORMAT 7 FOR FULLTEXT)

Inoculating NT servers; Anti-virus software shows potential

PC Week, pN1

Feb 19, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 1762

... NT is the only virus protection product currently available for Windows NT servers. The product offers good **detection** and is easy to use, but several areas need some work. Unified Front: InocuLAN's BackOffice certification means that the product supports unified **Windows NT log** -ins, runs as a service, and can be remotely deployed through SMS.

Corporate Scoreboard: InocuLAN 1.01...

26/3,K/25 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04125299 Supplier Number: 46019919 (USE FORMAT 7 FOR FULLTEXT)

Cheyenne Ships InocuLAN(r) 1.01 for Windows NT Servers and Workstation -- Industry's First Real-time Virus Scanning for Windows NT InocuLAN First Anti-Virus Solution to Meet Criteria for Microsoft's BackOffice Logo.

Business Wire, p12211130

Dec 21, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 631

... s Windows(r) 95-like interface is a state of the art, heuristic-based, polymorphic scanner that **detects** nearly all known viruses as certified by the National Software Testing Laboratories (NSTL). InocuLAN **detects**, identifies and cures -- boot, file, multipartite, stealth, polymorphic, and macro viruses. When a **virus** is **detected**, InocuLAN notifies the user immediately, as well as sends an alert via

Microsoft Mail, alphanumeric pager, SNMP, network broadcast, fax, or printed trouble ticket. Inoculan maintains a detailed activity log of all **virus** scans across the network. The product also records to the **Windows NT** system event log.

Inoculan 1.01 for Windows NT is unique in that it allows administrators to manage an entire...

26/3,K/26 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03932245 Supplier Number: 45685113 (USE FORMAT 7 FOR FULLTEXT)
Faux-NetWare On Windows NT
InformationWeek, p72
July 24, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 2066

... many applications. Without support for NetWare 4.1, these products do not allow you to use NetWare **Directory** Services.

Many **Windows NT** options, such as SNA gateways and tape backup systems, duplicate NetWare server functions. However, many NetWare NLMs-such as Internet gateways, most accounting software, imaging systems, management and control programs, and **virus detection**-either do not exist for Windows NT or have a single supplier. Further, many NetWare applications require....

26/3,K/27 (Item 1 from file: 553)
DIALOG(R)File 553:Wilson Bus. Abs. FullText
(c) 2003 The HW Wilson Co. All rts. reserv.

02811499 H.W. WILSON RECORD NUMBER: BWBA94061499
Office applications software.
Managing Office Technology (Managing Off Technol) v. 39 (July '94) p. 36+
LANGUAGE: English

ABSTRACT: A directory lists U.S. suppliers of prepackaged **computer software** for barcode tracking, communications, data security, database management, decision support/EIS, document management, facility management, financial applications, fonts, forms, human resources, mail handling, multimedia, **operating system** /environment, page makeup, personal productivity, presentation graphics, programmer productivity, sales management, scheduling, spreadsheet, utilities, **virus detection**, word processing, and workflow productivity applications.

Set	Items	Description
S1	117922	WINDOWS94 OR WINDOWS98 OR WINDOWS3.1 OR WINDOWS() (95 OR 98 OR XP OR ME OR MELLINIUM() EDITION OR NT OR 2000 OR OS OR OPERATING() SYSTEM OR 3.1) OR OS OR OPERATING() SYSTEM?
S2	378318	REGISTRY OR REGISTRIES OR REGISTER? OR LIST? ? OR DIRECTOR? OR INDEX? OR CHECKLIST? OR CHECK() LIST? OR ITEMIZATION OR LOG OR INDICES
S3	1564790	ALTER? OR UPDAT? OR UP() (DATE? ? OR DATING OR GRAD???) OR - UPGRAD??? OR CHANG??? OR MODIF???? OR EDIT??? OR REVIS??? OR - REVAMP? OR REWORK?
S4	2154	EXECUTABLE() (APPLICATION? OR PROGRAM?)
S5	72574	VIRUS OR MALICIOUS() CODE? OR TROJAN() HORSE OR WORM
S6	967658	VERIF? OR DETECT? OR DETERMIN? OR RECOGNI? OR INTERROGAT? - OR JUDGE? OR AUTHENTICAT? OR VALIDAT? OR IDENTIFY?
S7	409045	INTEGRITY OR FAIL() PROCESS? OR ERROR() (CONTROL OR CORRECTING) OR FAULT() TOLERAN? OR RELIABIL? OR STABLE() ROUTING OR SCALABILITY OR FAILURE? OR RESTRICTION? OR CONSTRAINT? OR DEFINITION?
S8	1251319	EXECUT? OR PERFORM? OR DISCHARG? OR OPERAT? OR FUNCTION?
S9	53560	APPLICATION?() PROGRAM? OR COMPUTER() (SOFTWARE OR PROGRAM?)
S10	1511	S1 (3N) S2
S11	520	S3 (S) S4
S12	3	S10 (S) S11
S13	10	S10 (S) S4
S14	20	S10 (S) S5
S15	30	S12 OR S13 OR S14
S16	20058	S6 (S) S9
S17	10605	S16 (S) S8
S18	32	S10 (S) S17
S19	0	S18 (S) S5
S20	59	S15 OR S18
S21	877	S1 (S) S5
S22	69	S21 (S) S2
S23	1250	S6 (S) S7 (S) S9
S24	11	S23 (S) S10
S25	120	S20 OR S22 OR S24
S26	98	S25 AND IC=(G06F? OR H04L?)
S27	28	S26 AND IC=(G06F-011? OR G06F-012? OR H04L-009?)

File 348:EUROPEAN PATENTS 1978-2003/Aug W04

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030821,UT=20030814

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27/5,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01040177

DYNAMIC HEURISTIC METHOD FOR DETECTING COMPUTER VIRUSES
DYNAMISCHES HEURISTISCHES VERFAHREN ZUR ERKENNUNG VON COMPUTERVIREN
METHODE HEURISTIQUE DYNAMIQUE DE DETECTION DES VIRUS INFORMATIQUES
PATENT ASSIGNEE:

SYMANTEC CORPORATION, (1606222), 20330 Stevens Creek Boulevard,
Cupertino, CA 95014, (US), (Proprietor designated states: all)

INVENTOR:

NACHENBERG, Carey, S., 19585 Shadow Glen Circle, Northridge, CA 91326,
(US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. High Holborn
2-5 Warwick Court, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 1018077 A1 000712 (Basic)
EP 1018077 B1 011205
WO 9915966 990401

APPLICATION (CC, No, Date): EP 98944528 980825; WO 98US17609 980825

PRIORITY (CC, No, Date): US 935577 970923

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-011/00

CITED PATENTS (EP B): EP 636977 A; WO 95/33237 A

CITED PATENTS (WO A): XP 197628

CITED REFERENCES (EP B):

CAREY STOVER NACHENBERG: "A New Technique For Detecting Polymorphic
Computer Viruses" 1995 , UNIVERSITY OF CALIFORNIA , LOS ANGELES
XP000197628 see page 70, line 1 - page 82, line 6;

CITED REFERENCES (WO A):

CAREY STOVER NACHENBERG: "A New Technique For Detecting Polymorphic
Computer Viruses" 1995 , UNIVERSITY OF CALIFORNIA , LOS ANGELES
XP000197628 see page 70, line 1 - page 82, line 6;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000712 A1 Published application with search report
Application: 990609 A1 International application (Art. 158(1))
Oppn None: 021127 B1 No opposition filed: 20020906
Examination: 001025 A1 Date of dispatch of the first examination
report: 20000906
Examination: 000712 A1 Date of request for examination: 20000414
Assignee: 000823 A1 Transfer of rights to new applicant: SYMANTEC
CORPORATION (1606222) 20330 Stevens Creek
Boulevard Cupertino, CA 95014 US

Grant: 011205 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200149	1254
CLAIMS B	(German)	200149	1189
CLAIMS B	(French)	200149	1458
SPEC B	(English)	200149	8891
Total word count - document A			0
Total word count - document B			12792
Total word count - documents A + B			12792

INTERNATIONAL PATENT CLASS: G06F-011/00

...SPECIFICATION the virus to decrypt before observing its virus-like
operations (opening files, finding files, etc.).

Dynamic heuristic **virus** detection can detect many different
permutations of a given operation more easily than the static heuristic
method...

...an interrupt is called during the emulation, the dynamic heuristic antivirus program checks the values in the **registers**. These values specify the task that the target program wants the **operating system** to perform on its behalf. As discussed above regarding static heuristics, a **virus** infecting the target program may choose to put certain values in the **registers** in a great variety of ways. However, when the interrupt is finally called, the **registers** must contain the certain values that correspond to the desired operation. A dynamic heuristic antivirus program is only concerned with the values of the **registers** at the time of the interrupt call.

While the dynamic heuristic technique is superior in detecting virus...

27/5,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01011084

System management method and apparatus for supporting non-dedicated event detection

Systemverwaltungsverfahren und Vorrichtung zur Detektierung von nichtzugeordneten Ereignissen

Methode pour la gestion de systeme et dispositif pour detection d'evenements non-attribues

PATENT ASSIGNEE:

Compaq Computer Corporation, (687792), 20555 S.H. 249, Houston Texas 77070, (US), (applicant designated states:

AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Chaiken, Craig L., 16411 Carlton Vale Court, Tomball, Texas 77375, (US)

LEGAL REPRESENTATIVE:

Brunner, Michael John et al (28871), GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 908823 A1 990414 (Basic)

APPLICATION (CC, No, Date): EP 98307559 980917;

PRIORITY (CC, No, Date): US 937853 970925

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-011/14

ABSTRACT EP 908823 A1

A method is provided for creating a virtual operating system directed power management event. The method may include executing a prepare-to-sleep routine in a computer system running an Advanced Configuration and Power Interface (ACPI) compliant operating system. The prepare-to-sleep routine may include programming ACPI compliant core logic such as the Intel PIIX4 device to generate an I/O trap system management interrupt (SMI) upon accesses to the ACPI WAK(underscore)STS register. The prepare-to-sleep routine may also enable non-dedicated event signals, such as legacy IRQs, to serve as resume events. After a resume event, the operating system reads the WAK(underscore)STS register. Upon access to the WAK(underscore)STS an SMI is generated. An SMI handler may be executed that determines if the resume event was generated by an wake device. If the resume event was in response to a non-dedicated event signal such as a legacy IRQ, the handler writes to a configuration register in the core logic which causes an unused dedicated event signal to appear as if it was asserted in the ACPI general purpose event register. Upon a subsequent access of the general purpose event register, the operating system will now recognize an ACPI compliant event. Alternatively, the core logic may be modified to include an event status/enable pair for each legacy IRQ.

ABSTRACT WORD COUNT: 212

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 000712 A1 Date application deemed withdrawn: 19991015

Application: 990414 A1 Published application (A1with Search Report ;A2without Search Report)

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
SPEC A	(English)	9915	5990
Total word count - document A			5990
Total word count - document B			0
Total word count - documents A + B			5990

INTERNATIONAL PATENT CLASS: G06F-011/14

...SPECIFICATION system management mechanisms only recognize events that are generated from a dedicated hardware signal to an event **register** accessed by the **operating system**. This invention allows other devices to create system or wake up events when the devices do not...
...in response to another event such as a legacy IRQ. The above described computer system hardware and **computer program** methods are exemplary of this invention. However, the invention is not limited to these embodiments. For example, the **computer program** routines illustrated in Figs. 3 and 4A-C may include other **functionality** in addition to that necessary for creating an **operating system recognizable** event in response to a legacy event. Further more, the computer system hardware is not limited to...

27/5,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00976247

METHOD AND APPARATUS FOR POLYMORPHIC VIRUS DETECTION
VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG POLYMORPHER VIREN
DISPOSITIF ET METHODE DE DETECTION DE VIRUS POLYMORPHES
PATENT ASSIGNEE:

SYMANTEC CORPORATION, (1606222), 20330 Stevens Creek Boulevard,
Cupertino, CA 95014, (US), (Proprietor designated states: all)

INVENTOR:

NACHENBERG, Carey, S., 19533 Citronia St., Northridge, CA 91324, (US)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick
Court, High Holborn, London WC1R 5DH, (GB)

PATENT (CC, No, Kind, Date): EP 951676 A2 991027 (Basic)
EP 951676 B1 020410
WO 9830957 980716

APPLICATION (CC, No, Date): EP 98905124 980105; WO 98US8897 980105

PRIORITY (CC, No, Date): US 780985 970108

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-011/00

CITED PATENTS (WO A): XP 197628 ; XP 613971

CITED REFERENCES (EP B):

NACHTENBERG C.S.: "A new technique for detecting polymorphic computer viruses a thesis submitted in partial satisfaction of the requirements for the degree master of science in computer science and engineering"
THESIS UNIVERSITY OF CALIFORNIA, 1995, XP000197628 cited in the application

MARSHALL G.: "Pest Control" LAN MAGAZINE, vol. 3, no. 6, June 1995, page 55/56, 58, 61, 63/64, 67 XP000613971;

CITED REFERENCES (WO A):

NACHTENBERG C.S.: "A new technique for detecting polymorphic computer viruses a thesis submitted in partial satisfaction of the requirements for the degree master of science in computer science and engineering"
THESIS UNIVERSITY OF CALIFORNIA, 1995, XP000197628 cited in the application

MARSHALL G.: "Pest Control" LAN MAGAZINE, vol. 3, no. 6, June 1995, page 55/56, 58, 61, 63/64, 67 XP000613971;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 010411 A2 Title of invention (German) changed: 20010222
Change: 20000419 A2 Designated contracting states changed
20000302
Lapse: 030723 B1 Date of lapse of European Patent in a
contracting state (Country, date): DE
20020711,
Grant: 020410 B1 Granted patent
Change: 010905 A2 Title of invention (German) changed: 20010718
Change: 010411 A2 Title of invention (French) changed: 20010222
Change: 010411 A2 Title of invention (English) changed: 20010222
Examination: 010516 A2 Date of dispatch of the first examination
report: 20010405
Assignee: 010912 A2 Transfer of rights to new applicant: SYMANTEC
CORPORATION (1606222) 20330 Stevens Creek
Boulevard Cupertino, CA 95014 US
Oppn None: 030402 B1 No opposition filed: 20030113
Application: 981216 A2 International application (Art. 158(1))
Application: 991027 A2 Published application without search report
Examination: 991027 A2 Date of request for examination: 19990806

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200215	292
CLAIMS B	(German)	200215	289
CLAIMS B	(French)	200215	440
SPEC B	(English)	200215	7630
Total word count - document A			0
Total word count - document B			8651
Total word count - documents A + B			8651

INTERNATIONAL PATENT CLASS: G06F-011/00

...SPECIFICATION to data in a data file.

It is noted that some viruses do not write with initialized **index registers** but knows the state of the **register** because the **operating system** may guarantee the state. One such **virus** is the PC Weevil **virus** that uses an **indexed** memory write instruction to add zero to some locations which does not alter the value stored in...

27/5,K/4 (Item 4 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00917173

SYSTEM FOR CONTROLLING ACCESS TO A REGISTER MAPPED TO AN I/O ADDRESS SPACE
OF A COMPUTER SYSTEM

SYSTEM ZUR KONTROLLE DES ZUGRIFFES AUF EIN REGISTER ABGEBILDET AUF EINEN
E/A ADRESSBEREICH EINES RECHNERSYSTEMS

PROCEDE DE CONTROLE D'ACCES A UN REGISTRE CARTOGRAPHIE SUR UN ESPACE
D'ADRESSAGE ENTREE/SORTIE DE SYSTEME INFORMATIQUE

PATENT ASSIGNEE:

INTEL CORPORATION, (322933), 2200 Mission College Boulevard, Santa Clara,
CA 95052, (US), (Proprietor designated states: all)

INVENTOR:

POISNER, David, I., 313 N. Lexington, Folsom, CA 95630, (US)

LEGAL REPRESENTATIVE:

Molyneaux, Martyn William et al (34017), Wildman, Harrold, Allen & Dixon
11th Floor, Tower 3, Clements Inn,, London WC2A 2AZ, (GB)

PATENT (CC, No, Kind, Date): EP 979460 A1 000216 (Basic)
EP 979460 B1 030122
WO 97049041 971224

APPLICATION (CC, No, Date): EP 97929698 970522; WO 97US8946 970522

PRIORITY (CC, No, Date): US 667789 960621

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-015/00 ; G06F-012/14

CITED PATENTS (EP B): EP 617364 A; EP 695994 A; WO 96/38775 A; US 5339437 A

; US 5392420 A; US 5509139 A; US 5638532 A; US 5657445 A
CITED PATENTS (WO A): US 5509139 A; US 5339437 A; US 5392420 A
NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 010905 A1 Legal representative(s) changed 20010718
Application: 20000216 A1 Published application with search report
Grant: 030122 B1 Granted patent
Examination: 020102 A1 Date of dispatch of the first examination
report: 20011108
Change: 020904 A1 Title of invention (German) changed: 20020715
Application: 980415 A1 International application (Art. 158(1))
Change: 20000315 A1 International Patent Classification changed:
20000127
Change: 20000315 A1 International Patent Classification changed:
20000127
Search Report: 20000315 A1 Date of drawing up and dispatch of
supplementary:search report 20000201
Examination: 20000216 A1 Date of request for examination: 19981214

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200304	946
CLAIMS B	(German)	200304	1008
CLAIMS B	(French)	200304	1037
SPEC B	(English)	200304	5353
Total word count - document A			0
Total word count - document B			8344
Total word count - documents A + B			8344

INTERNATIONAL PATENT CLASS: G06F-015/00 ...

... G06F-012/14

...SPECIFICATION a number of functions, including data buffering, status indication and control and configuration functions.

I/O-mapped **registers** are vulnerable to having their contents corrupted or undesirably altered in a number of ways. For example, a "berserk" or malfunctioning program, a **virus** program or even the **operating system** itself may attempt to alter the contents of an I/O-mapped **register** in an illegal manner. The corruption of the contents of an I/O-mapped **register** may have very serious consequences for the functioning of the computer system, and also for the physical...

...of the computer system. This vulnerability is particularly serious when the contents of an I/O-mapped **register**, performing a control or configuration function, are modified. At the very least, corruption of the **register** contents may result in a software failure. In a worst case scenario, such as where the I/O-mapped **register** stores a value relating to power management, corruption of the contents of the **register** may cause the processor to over-heat and burn. This worst case scenario poses a considerable threat...

...software, and even to the safety of a computer system user. The vulnerability of I/O-mapped **registers** also provides authors of **virus** programs with the opportunity to write **virus** programs which cause untold mischief and disruption within a computer system.

Prior art methods of providing access...

...whether the application program can validly access an I/O instruction. This protection mechanism generally allows the **operating system**, which has a privilege level of 0, and certain device drivers, which have privilege levels of 1...

...drivers, which have a privilege level of 3. However, this protection mechanism is not effective against a **virus** program that manages to obtain a privilege level of 0, or against a poorly written device driver
...above described arrangement provides a simple, yet effective,

protection against malfunctioning programs, virus programs or even an **operating system** kernel which may otherwise have been able to access, and illegally modify, the contents of the **registers** 60. The secure protection afforded to the **registers** 60 as described above is particularly valuable when any one of the **registers** 60.1 to 60.3 is used for power management and system configuration purposes, as corruption of data stored in such a **register** could have serious implications for the integrity of data, software and even physical devices within the computer...of I/O-mapped register against malfunctioning and virus programs, as well as illegal accesses by the **operating system**. The present invention is also advantageous in that it allows for the creation of various depths or...

...absolute, or the protection can merely extend to blocking write transactions to a protected I/O-mapped **register**.

The invention may allow for the configuration of I/O-mapped registers for expanded functionality. For example...

27/5,K/5 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00601222

Apparatus for fault-tolerant computing

Gerat zur fehlertoleranten Rechnung

Appareil de calcul a tolerance de faute

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
(US), (Proprietor designated states: all)

INVENTOR:

Huang, Yennun, 33 Linberger Drive, Bridgewater, New Jersey 08807, (US)

LEGAL REPRESENTATIVE:

Watts, Christopher Malcolm Kelway, Dr. (37391), Lucent Technologies (UK)
Ltd, 5 Mornington Road, Woodford Green Essex, IG8 0TU, (GB)

PATENT (CC, No, Kind, Date): EP 590866 A2 940406 (Basic)

EP 590866 A3 970122

EP 590866 B1 010523

APPLICATION (CC, No, Date): EP 93307500 930922;

PRIORITY (CC, No, Date): US 954549 920930

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: **G06F-011/00**

CITED REFERENCES (EP B):

PROCEEDINGS OF THE SYMPOSIUM ON RELIABLE DISTRIBUTED SYSTEMS, HUNTSVILLE,
OCT. 9 - 11, 1990, no. SYMP. 9, 9 October 1990, INSTITUTE OF ELECTRICAL
AND ELECTRONICS ENGINEERS, pages 2-11, XP000278454 NG T P: "THE DESIGN
AND IMPLEMENTATION OF A RELIABLE DISTRIBUTED OPERATING SYSTEM - ROSE"
OPERATING SYSTEMS REVIEW (SIGOPS), vol. 25, no. 2, 1 April 1991, pages
126-129, XP000297124 NEHMER J ET AL: "A FAULT TOLERANCE APPROACH FOR
DISTRIBUTED ISDN CONTROL SYSTEMS"

OPERATING SYSTEMS REVIEW (SIGOPS), vol. 21, no. 5, 8 November 1987 - 11
November 1989, NEW YORK US, pages 123-138, XP002018794 BIRMAN K P ER
AL: "EXPLOITING VIRTUAL SYNCHRONY IN DISTRIBUTED SYSTEMS"

ACM TRANSACTIONS ON COMPUTER SYSTEMS, vol. 7, no. 1, February 1989, pages
1-24, XP000037157 BORG A ET AL: "FAULT TOLERANCE UNDER UNIX"

IBM TECHNICAL DISCLOSURE BULLETIN, vol. 34, no. 10B, 1 March 1992, pages
234-236, XP000302700 "ASYNCHRONOUS RECOVERY AND RELIABILITY FOR A
MULTIUSER DATABASE SYSTEM"

SYSTEMS ENGINEERING ASPECTS OF COMPLEX COMPUTERIZED SYSTEMS, TEL AVIV,
MAY 8 - 10, 1990, no. -, 8 May 1990, INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS, pages 130-137, XP000293798 CLEMATIS A ET AL: "A
DESIGN TOOL FOR FAULT TOLERANT SOFTWARE";

ABSTRACT EP 590866 A2

Techniques for fault-tolerant computing without fault-tolerant hardware or operating systems. The techniques employ a monitor daemon which is implemented as one or more user processes and a fault-tolerant library

...workstations running the same operating system. for example SUN OS 4.1, a version of the UNIX **operating system** (UNIX is a **registered** trademark of AT&T). watchd is implemented using UNIX user processes and libft is implemented as...

27/5,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00574265

Enhanced system management method and apparatus
Verbesserte Systemverwaltungsverfahren und -vorrichtung
Methode et dispositif ameliores pour la gestion de systemes
PATENT ASSIGNEE:

NATIONAL SEMICONDUCTOR CORPORATION, (2771510), 2703 North Central Expressway, Richardson, Texas, (US), (Proprietor designated states: all)

INVENTOR:

Maher III, Robert D., 1504 Sunny Slope, Carrollton, Texas 75007, (US)
Garibay, Raul, A., Jr., 333 Melrose, # 3-B, Richardson, Texas 75080, (US)

Herubin, Margaret R., 540 Edinburgh Lane, Coppell, Texas 75019, (US)
Hervin, Mark Warden, 17601 Preston Road, Apt. 156, Dallas, Texas 75252, (US)

LEGAL REPRESENTATIVE:

Harris, Ian Richard et al (72231), D. Young & Co., 21 New Fetter Lane, London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 575171 A2 931222 (Basic)
EP 575171 A3 950628
EP 575171 B1 991013

APPLICATION (CC, No, Date): EP 93304730 930617;

PRIORITY (CC, No, Date): US 900052 920617; US 62014 930514

DESIGNATED STATES: CH; DE; ES; FR; GB; IE; IT; LI; NL

INTERNATIONAL PATENT CLASS: G06F-012/02 ; G06F-009/46 ; G06F-001/32 ; G06F-011/14

CITED PATENTS (EP B): WO 91/17505 A; GB 2259166 A; US 4250546 A; US 5274791 A; US 5274834 A

CITED REFERENCES (EP B):

'386 DX PROGRAMMER'S REFERENCE MANUAL' 1990 , INTEL CORPORATION , SANTA CLARA, US * figures 9-1; tables 9-2 * * page 9-1, line 1 - page 9-3, line 31 * * page 9-5, line 1 - page 9-6, line 6 * * page 9-8, line 1 - page 9-11, line 8 * * page 14-3, line 9 - line 37 *
A.TULLY '6502 REFERENCE GUIDE' 1985 , MELBOURNE HOUSE , RICHMOND, GB * page 4, bit 4 of processor status register *;

ABSTRACT EP 575171 A2

A microprocessor is disclosed which has enhanced system management capabilities. The microprocessor includes circuitry for accessing external memory within a known address space. Circuitry is provided for programmably defining a range of addresses within the address space for use by system management routines. In the preferred embodiment, the system management memory is defined by a starting address and a block size. Further, upon receiving a system management interrupt, the microprocessor stores that processor status information which is always affected upon initiation of a system management routine; other information is stored, such that the time overhead associated with system management routine is minimized. Additional features that provide added functionality are: (a) an NMI ENABLE feature allows servicing NMIs during SMM operations; (b) an SMI LOCK feature prevents unauthorized access to SMM space or SMM routines, such as by hackers or viruses; (C) an I/O buffering feature allows I/O information (operand, size, and port address) facilitates transparent retries of I/O operations that result in a trap to an SMI routine, such as for power-up of peripherals; and (d) a software SMM instruction provides added flexibility in the use of SMM operations. (see image in original document)

ABSTRACT WORD COUNT: 196

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None: 000927 B1 No opposition filed: 20000714
Application: 931222 A2 Published application (Alwith Search Report
;A2without Search Report)
Lapse: 030219 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
19991013, LI 19991013, ES 19991013, FR
20000310, GB 20000617, IE 20000617, NL
19991013,
Lapse: 011212 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
19991013, LI 19991013, FR 20000310, GB
20000617, IE 20000617,
Lapse: 010207 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
19991013, LI 19991013, FR 20000310,
Lapse: 001213 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
20000118, LI 20000118,
Lapse: 001227 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
19991013, LI 19991013,
Lapse: 010711 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
19991013, LI 19991013, FR 20000310, GB
20000617,
Lapse: 020626 B1 Date of lapse of European Patent in a
contracting state (Country, date): CH
19991013, LI 19991013, ES 19991013, FR
20000310, GB 20000617, IE 20000617,
Change: 950621 A2 Obligatory supplementary classification
(change)
Search Report: 950628 A3 Separate publication of the European or
International search report
Examination: 960207 A2 Date of filing of request for examination:
951214
Examination: 970730 A2 Date of despatch of first examination report:
970613
Assignee: 990901 A2 Transfer of rights to new applicant: NATIONAL
SEMICONDUCTOR CORPORATION (2771510) 2703 North
Central Expressway Richardson, Texas US
Grant: 991013 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9941	926
CLAIMS B	(German)	9941	829
CLAIMS B	(French)	9941	1099
SPEC B	(English)	9941	5907
Total word count - document A			0
Total word count - document B			8761
Total word count - documents A + B			8761

INTERNATIONAL PATENT CLASS: G06F-012/02 ...

... G06F-009/46 ...

... G06F-001/32 ...

... G06F-011/14

...SPECIFICATION trapped I/O instruction can be problematic for the
programmer. Third, SMI configuration is controlled by control registers

values that, for example, enable SMI, and enable reads/writes to/from memory and/or SMI space. Because SMI operation is not subject to normal **operating system** protection mechanisms, unauthorized access to an SMI configuration control **register**, such as by a hacker or a **virus**, represents a serious protection hole. And fourth, in prior art systems, SMI can only be invoked by...

27/5,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00562885

Method and system for avoiding selector loads.

Verfahren und System zur Vermeidung von Selektorladungen.

Procede et systeme pour eviter des chargements de selecteur.

PATENT ASSIGNEE:

MICROSOFT CORPORATION, (749861), One Microsoft Way, Redmond, Washington
98052-6399, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Willman, Bryan M., 10117 N.E. 64th Street, Kirkland, Washington 98033,
(US)

LEGAL REPRESENTATIVE:

Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner (100721),
Maximilianstrasse 58, D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 557908 A2 930901 (Basic)
EP 557908 A3 950118

APPLICATION (CC, No, Date): EP 93102677 930219;

PRIORITY (CC, No, Date): US 843994 920226

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-012/02 ; G06F-012/10

ABSTRACT EP 557908 A2

An improved method and system for reducing the number of segment register loads that occur during the transfer of control from an application program to an operating system routine is provided. In preferred embodiments on an Intel 80386 processor, an application program and operating system kernel share a code segment address space and a data segment address space from 0 to 4G. During the execution of the application program, which executes in user mode, a page table is defined to prevent the application program from accessing pages which correspond to the address space of 2G to 4G. When the application program invokes a system routine, the system routine does not need to load the data segment register since the application program and the kernel share the same data segment. If an application program does load the data segment register with a selector other than the selector for the shared data segment, then when the kernel tries to access memory using the data segment register, an exception is generated. The exception handler restores the selector for the shared data segment into the data segment register and resumes execution of the instruction which caused the exception. (see image in original document)

ABSTRACT WORD COUNT: 201

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 20000209 A2 Date application deemed withdrawn: 19990721

Application: 930901 A2 Published application (A1with Search Report
;A2without Search Report)

Search Report: 950118 A3 Separate publication of the European or
International search report

Examination: 950906 A2 Date of filing of request for examination:
950711

Examination: 980819 A2 Date of despatch of first examination report:
980706

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1406

SPEC A (English) EPABF1 5313
Total word count - document A 6719
Total word count - document B 0
Total word count - documents A + B 6719

INTERNATIONAL PATENT CLASS: G06F-012/02 ...

... G06F-012/10

...CLAIMS and

means for restarting the instruction that uses the data segment register.

5. A method in an **operating** system for reducing the loading of a data segment **register**, the **operating system executing** on a computer, the computer having an interrupt descriptor register, the interrupt descriptor register for pointing to...

...for pointing to a plurality of interrupt processing routines, the method comprising the steps of:

identifying an **application program** as being either flat or non-flat, wherein a flat **application program** uses a predefined segment register value;

defining an interrupt descriptor table for a non-flat application, the...

27/5,K/8 (Item 8 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00456323

Method and apparatus for executing trusted-path commands

Verfahren und Anordnung zur Ausführung von Sicherheitswegbefehlen

Procede et appareil d'execution de commandes de voie de securite

PATENT ASSIGNEE:

Compaq Computer Corporation, (687792), 20555 S.H. 249, Houston Texas
77070, (US), (Proprietor designated states: all)

INVENTOR:

Zurko, Mary Ellen, 230 Nashua Road, Groton, Massachusetts 04250, (US)
Mason, Andrew Halstead, 61 Baxter Road, Hollis, New Hampshire 03049, (US)
Saywer, Paul Douglas, 16 Governor Peabody Road, Billerica, Massachusetts
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Gasser, Morrie, 11 Golden Hills Road, Saugus, Massachusetts 01906, (US)
Casey, Thomas Andrew, Jr., 194 School Street, Westwood, Massachusetts
02090, (US)
Kendall, Leslie Richard, 5 Goodwin Road, Gloucester, Massachusetts 01930
, (US)
Hall, Judith Shellhorse, 47 Indian Ridge Road, Sudbury, Massachusetts
01776, (US)
Lipner, Steven B., 6 Midland Road, Wellesley, Massachusetts 02181, (US)
Kahn, Clifford Earl, 15 Weld Street, Unit 26, Framingham, Massachusetts
01701, (US)

LEGAL REPRESENTATIVE:

Charig, Raymond Julian (79692), Eric Potter Clarkson, Park View House, 58
The Ropewalk, Nottingham NG1 5DD, (GB)

PATENT (CC, No, Kind, Date): EP 443423 A2 910828 (Basic)
EP 443423 A3 930421
EP 443423 B1 011114

APPLICATION (CC, No, Date): EP 91101985 910213;

PRIORITY (CC, No, Date): US 479666 900213

DESIGNATED STATES: DE; GB; NL

INTERNATIONAL PATENT CLASS: G06F-001/00 ; G06F-012/14

CITED PATENTS (EP A): EP 326699 A; EP 326699 A; EP 326699 A

CITED PATENTS (EP B): EP 326699 A

CITED REFERENCES (EP A):

IEEE SYMPOSIUM ON SECURITY AND PRIVACY, April 1988, OAKLAND, US; pages
147 - 155 S.WISEMAN ET AL 'The Trusted Path between SMITE and the User'

CITED REFERENCES (EP B):

IEEE SYMPOSIUM ON SECURITY AND PRIVACY, April 1988, OAKLAND, US; pages 147 - 155 S.WISEMAN ET AL 'The Trusted Path between SMITE and the User'
Applicant submitted 2 pages containing 9 citations from the prosecution of the corresponding US application. Examiner regards these as useful background to the field of the present application. The 2 pages are inserted into page 1 of the description.;

ABSTRACT EP 443423 A2

A method for executing trusted commands, in which a trusted command is first received from a user at a user terminal and parsed by untrusted code; then passed to a trusted computing base for execution. The trusted computing base displays to the user for confirmation some indication of what is to be done. Confirmation of the commands prevents unauthorized modification of the commands and increases system confidence. A randomly (or pseudo-randomly) generated process identifier is employed to verify the existence of a trusted path. (see image in original document)

ABSTRACT WORD COUNT: 91

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: -----000531 A2 ~~Transfer of rights to new applicant: Compaq~~
Computer Corporation (687792) 20555 S.H. 249
Houston Texas 77070 US
Application: 910828 A2 Published application (A1with Search Report
;A2without Search Report)
Lapse: 030102 B1 Date of lapse of European Patent in a
contracting state (Country, date): GB
20020214,
Grant: 011114 B1 Granted patent
Change: 000719 A2 Title of invention (English) changed: 20000531
Change: 001004 A2 Title of invention (German) changed: 20000817
Change: 001004 A2 Title of invention (English) changed: 20000817
Change: 001004 A2 Title of invention (French) changed: 20000817
Oppn None: 021106 B1 No opposition filed: 20020815
Change: 911113 A2 Designated Contracting States (change)
Search Report: 930421 A3 Separate publication of the European or
International search report
Examination: 930825 A2 Date of filing of request for examination:
930630
Examination: 970212 A2 Date of despatch of first examination report:
961227
Change: 991013 A2 Legal representative(s) changed 19990825

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1098
CLAIMS B	(English)	200146	1038
CLAIMS B	(German)	200146	1087
CLAIMS B	(French)	200146	1128
SPEC A	(English)	EPABF1	10147
SPEC B	(English)	200146	11059
Total word count - document A			11246
Total word count - document B			14312
Total word count - documents A + B			25558

INTERNATIONAL PATENT CLASS: G06F-001/00 ...

... G06F-012/14

...SPECIFICATION improving security in computer systems.

US Patent 4,918,653 proposes a trusted-path mechanism for an **operating system** to inhibit **Trojan - horse** programs. By pressing a Secure Attention key (SAK) on a terminal keyboard, a user may create a...

...the terminal and a trusted-shell portion of a trusted computing base (TCB) in a UNIX-type **operating system**. When a SAK signal is received by the host, the host terminates all processes in the terminal...
...No. 4,751,669 proposes a videotext decoded apparatus which is used, inter alia, to provide easy **log -on** and **log -off** procedures for videotext users. Certain commands (i.e., **log -out**) require confirmation by the user before they will execute.

U.S. Patent No. 4,677,546...

...files using "wild card" designators (e.g., "DEL*.*"). Prior to executing the command, the program displays a **list** of the specific files matching the wild card designator that will be erased and asks for confirmation...

...permits the user to confirm selectively the deletion of individual files matching the wild card designator.

UNIX **operating system** (no specific reference document). In many UNIX systems, a number of simple shell commands translate directly into...

27/5,K/9 (Item 9 from file: 348)

DIALOG(R) File-348:EUROPEAN-PATENTS

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00445949

METHOD OF READING AND WRITING FILES ON NONERASABLE STORAGE MEDIA
VERFAHREN ZUM LESEN UND SCHREIBEN VON DATEIEN AUF NICHTLOSCHBAREN
SPEICHERMEDIEN

PROCEDE DE LECTURE ET D'ECRITURE DE FICHIERS SUR DES SUPPORTS DE STOCKAGE
NON EFFACABLES

PATENT ASSIGNEE:

DREXLER TECHNOLOGY CORPORATION, (338413), 2557 Charleston Road, Mountain View, CA 94303, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

SCIUPAC, Luis, H., 528 Hubbard Avenue, Santa Clara, CA 95051, (US)

LEGAL REPRESENTATIVE:

Kahler, Kurt, Dipl.-Ing. et al (6167), Patentanwalte Kahler, Kack, Fiener et col., Vorderer Anger 268, 86899 Landsberg/Lech, (DE)

PATENT (CC, No, Kind, Date): EP 462180 A1 911227 (Basic)

EP 462180 A1 930331

EP 462180 B1 970924

WO 9010906 900920

APPLICATION (CC, No, Date): EP 90904554 900223; WO 90US994 900223

PRIORITY (CC, No, Date): US 320020 890307

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: **G06F-012/02**

CITED PATENTS (WO A): US 4287568 A; US 4298932 A; US 4382279 A; US 4394745

A; US 4414644 A; US 4437155 A; US 4558176 A; US 4680736 A; US 4691299 A

CITED REFERENCES (EP A):

No further relevant documents disclosed;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 911227 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 911227 A1 Date of filing of request for examination:
910912

Change: 921104 A1 Representative (change)

Search Report: 930331 A1 Drawing up of a supplementary European search
report: 930211

Examination: 950405 A1 Date of despatch of first examination report:
950217

Change: 970507 A1 Representative (change)

Grant: 970924 B1 Granted patent

Oppn None: 980916 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9709W3	1043
CLAIMS B	(German)	9709W3	971
CLAIMS B	(French)	9709W3	1288
SPEC B	(English)	9709W3	4635
Total word count - document A			0
Total word count - document B			7937
Total word count - documents A + B			7937

INTERNATIONAL PATENT CLASS: G06F-012/02

...SPECIFICATION details of file management.

Device drivers for magnetic storage devices access and update file allocation tables and **directories**, as well as data, on the storage medium several times during the execution of a single command for the **operating system**. This is done to maximize the performance of the disk, allowing more efficient retrieval the next time...

...direct-read-after-write media, are nonerasable. These media are therefore often called write-once read-many (**WORM**) media, or just write-once media. Since write-once media are not erasable, each time a file is updated, ~~capacity is lost. Multiple recordings of file allocation~~ tables and **directories** during a single command are especially troublesome, as capacity is exhausted up to three times faster than...

27/5,K/10 (Item 10 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00318479

Method of operating a multi-processor system for the transfer of data between processor units.

Verfahren zur Bedienung einer Mehrprozessoranordnung zur Datenubertragung zwischen Prozessoreinheiten.

Procede de commande d'un systeme multiprocesseur pour le transfert de donnees entre unites de traitement.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Blount, Marion Lee, 554 Eleanor Drive, Mahopac New York 10541, (US)

Morgan, Stephen Paul, 9617 Great Hill Trail No. 221, Austin Texas 78759, (US)

Rader, Katalin Anna Veronika, 4903B Smokey Valley, Austin Texas 78731, (US)

LEGAL REPRESENTATIVE:

Bailey, Geoffrey Alan (27921), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 319148 A2 890607 (Basic)

EP 319148 A3 900711

EP 319148 B1 940216

APPLICATION (CC, No, Date): EP 88310567 881110;

PRIORITY (CC, No, Date): US 127000 871130

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-015/16 ; G06F-012/08

CITED PATENTS (EP A): EP 211420 A; EP 81056 A

CITED REFERENCES (EP A):

PROCEEDINGS OF THE NATIONAL ELECTRONICS CONFERENCE, vol. 37, 1983, pages 309-315, Oak Brook, Illinois, US; A. BETTENCOURT et al.: "NET - A new unix* based transparent networking system"

IDEM

K. HWANG et al.: "Computer architecture and parallel processing", 1984, pages 492-502, McGraw-Hill Book Co., US;

ABSTRACT EP 319148 A2

A method for minimising I/O mechanical assess operations on secondary storage devices in a data processing system having a plurality of processor units interconnected in a cluster configuration to permit each processor unit to request and obtain data that is resident only on a secondary storage device of one processor unit. The method involves the steps of maintaining at each processor unit information about each copy of data that has been sent from the unit to another unit to permit a second request to the unit to be serviced by transferring a copy of the data from the main memory which is storing the data to the requesting unit rather than servicing the request with a relatively slow I/O accessing operation to a secondary storage device.

ABSTRACT WORD COUNT: 130

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890607 A2 Published application (A1with Search Report
;A2without Search Report)
Examination: 891102 A2 Date of filing of request for examination:
890906
Change: 900704 A2 International patent classification (change)
Search Report: 900711 A3 Separate publication of the European or
International search report
Change: 900718 A2 Representative (change)
Examination: 930120 A2 Date of despatch of first examination report:
921207
Grant: 940216 B1 Granted patent
Oppn None: 950215 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	958
CLAIMS B	(German)	EPBBF1	907
CLAIMS B	(French)	EPBBF1	1021
SPEC B	(English)	EPBBF1	12885
Total word count - document A			0
Total word count - document B			15771
Total word count - documents A + B			15771

INTERNATIONAL PATENT CLASS: G06F-015/16 ...

... G06F-012/08

...SPECIFICATION examines the u directory for "smorgan" and determines that smorgan is a directory.

In Step E the **operating system** examines the smorgan **directory** for "database" and determines: (1) that database is a file; (2) that the access coordinator for the...

...to processing unit 10c, requesting that the file identified by FID be opened on behalf of an **application program executing** on processing unit 10a.

In Step G, upon receipt of message 1 from processing unit 10a, processing...segment SL containing file F.

In Step B the application program page faults. In Step C the **operating system executing on processing unit 10a** intercepts the page fault and **determines** that it was caused by a read access to page P of segment SL by the **application program**.

In Step D processing unit 10a determines that segment SL is a remote segment whose access is...

...determines that it was caused by a read access to page P of segment SA by the **application program**.

In Step D processing unit 10a determines that segment SA is a local segment bound to remote...

00318440

Method of operating a multiprocessor system employing a shared virtual memory.

Verfahren zum Betreiben eines einen anteilig genutzten virtuellen Speicher verwendenden Multiprozessorsystems.

Procede pour actionner un systeme a multiprocesseur employant une memoire virtuelle commune.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Blount, Marion Lee, 554 Eleanor Drive, Mahopac New York 10541, (US)

Cocchi, Anthony, 45 Monroe Avenue, Larchmont New York 10538, (US)

Mergen, Mark Frederick, Cliffside Lane, RFD 2, Mt. Kisco, New York 10549, (US)

Morgan, Stephen Paul, 9617 Great Hills Trail, 221, Austin Texas 78759, (US)

Rader, Katalin Anna, 4903B Smokey Valley, Austin Texas 78731, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 323013 A2 890705 (Basic)

EP 323013 A3 910320

EP 323013 B1 950830

APPLICATION (CC, No, Date): EP 88310528 881109;

PRIORITY (CC, No, Date): US 126820 871130

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-011/14

CITED PATENTS (EP A): US 4228496 A

ABSTRACT EP 323013 A2

A method for maintaining the overall system availability of a multi-processor data processing system in the event of a failure at one of a plurality of independent failure points. The system includes a plurality of virtual memory type processor units, each of which includes an interactive terminal, and a main memory which is connected to a secondary storage device which is also shared by the main memory of one of the other processor units. The main memories of the two units are also interconnected to provide a shared virtual memory system. Both processor units employ the same operating system and share the same virtual address space for storing information. The interactive terminal of each processor unit is connected to the other processor unit. Failure points include the terminals, the processor units, the communication links, and the various software components that are employed by the system. System availability is maintained by managing the storage of selected information at pre-established precise points in the processing operation. Identical operating system data structures that are stored in each processor unit are updated with the results of certain identified data processing transactions which have affected information required for succeeding processing operations in manner to insure that either identical updates occur or no update occurs. The arrangement ensures that any changes that might have occurred in the information stored in the data structure prior to the end of an aborted transaction is returned to the initial state to permit the transaction to be retried whenever the path of the failure can be bypassed.

ABSTRACT WORD COUNT: 261

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890705 A2 Published application (A1with Search Report ;A2without Search Report)

Examination: 891102 A2 Date of filing of request for examination: 890906

Change: 901219 A2 Representative (change)

Search Report: 910320 A3 Separate publication of the European or

International search report

Change: 910605 A2 Representative (change)
 Examination: 941123 A2 Date of despatch of first examination report: 941013
 Grant: 950830 B1 Granted patent
 Oppn None: 960821 B1 No opposition filed
 LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	234
CLAIMS B	(English)	EPAB95	234
CLAIMS B	(German)	EPAB95	246
CLAIMS B	(French)	EPAB95	256
SPEC A	(English)	EPABF1	12412
SPEC B	(English)	EPAB95	12395
Total word count - document A			12647
Total word count - document B			13131
Total word count - documents A + B			25778

INTERNATIONAL PATENT CLASS: G06F-011/14

...SPECIFICATION that it contains an entry for "u" and that u is a directory.

In Step D the **operating system** examines the u **directory** for "smorgan" and **determines** that smorgan is a directory.

In Step E the **operating system** examines the smorgan **directory** for "status" and **determines** that an entry for status does not exist.

In Step F the **operating system** creates a cluster storage file identifier CSFID and cluster storage file descriptor CSFD for the file...

...is a 7 bit integer that uniquely identifies a given processing unit within a cluster configuration. The **operating system** creates cluster storage file descriptor CSFD by using cluster storage file identifier CSFID to index into...

...smorgan/status contains cluster storage and has been created as a result of a call to open **executed** at processing unit 10a, processing unit 10a elects itself as the access coordinator for the file.

In Step G the **operating system** uses the Create Segment Service (CSS) to create a virtual memory segment for the cluster storage...

...file identifier CSFID and the access coordinator processor identifier PID for the file.

In Step J the **operating system** **executing** on processing unit 10a informs the **application program** **executing** on processing unit 10a that the file /u/smorgan/status has been created.

Fig. 3 is a...that it contains an entry for "u" and that u is a directory.

In Step D the **operating system** examines the u **directory** for "smorgan" and **determines** that smorgan is a directory.

In Step E the **operating system** examines the smorgan **directory** for "status" and **determines** :

- (1) that status is a cluster storage file,
- (2) that status already exists,
- (3) that processing unit...

27/5,K/20 (Item 9 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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00493552 **Image available**

APPARATUS AND METHOD FOR LOGGING INFORMATION RELATING TO FUNCTION CALLS TO A FUNCTION LIBRARY

APPAREIL ET PROCEDE DE JOURNALISATION D'INFORMATIONS RELATIVES A DES APPELS DE FONCTION DANS UNE BIBLIOTHEQUE DE FONCTIONS

Patent Applicant/Assignee:

INTERGRAPH CORPORATION,

Inventor(s):

MICHAELS Terry,

BISBEE Robert,

DAVIS Richard W III,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9924904 A1 19990520

Application: WO 98US23363 19981103 (PCT/WO US9823363)

Priority Application: US 9764902 19971107

Designated States: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-011/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5539

English Abstract

An apparatus for logging data relating to a call from a program to a function library includes a mechanism for intercepting the call from the program, and a mechanism for storing the data relating to the intercepted call in a log file. The apparatus also includes a mechanism for transmitting the intercepted call to the function library. The program may be an application program and the library may be a dynamic link library. The data in the log file may include the name of the function and input parameters to the function. A text program may be executed to display the stored data on a display device.

French Abstract

L'invention concerne un appareil de journalisation de donnees relatives a un appel entre un programme et une bibliotheque de fonctions. Ledit appareil comprend un mecanisme d'interception de l'appel provenant du programme, et un mecanisme de stockage des donnees relatives a l'appel intercepte. Le programme peut etre un programme d'application et la bibliotheque peut etre une bibliotheque de liens dynamiques. Les donnees faisant partie du fichier de journalisation peuvent comprendre le nom de la fonction et des parametres remis a la fonction. Un programme de texte peut etre execute pour afficher les donnees stockees sur un afficheur.

Main International Patent Class: G06F-011/00

Fulltext Availability:

Detailed Description

Detailed Description

... part of the configuration utility 312. Information entered into the GUI 500 preferably is stored in the **operating system registry** (present in the Microsoft NT/NTM operating system), which includes the operating system configuration and computer system 200...

...to be logged, a "NAME OF EXECUTABLE TO LOG" field 504 for entering the name of the **application program** 304, and a "LOCATION OF LOG FILE" field 506 designating the name of the resulting log file 310 and a path statement **identifying** the intended storage location of the log file 310 within the computer system 200. In preferred embodiments...

27/5,K/21 (Item 10 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00484614

DYNAMIC HEURISTIC METHOD FOR DETECTING COMPUTER VIRUSES

METHODE HEURISTIQUE DYNAMIQUE DE DETECTION DES VIRUS INFORMATIQUES

Patent Applicant/Assignee:

SYMANTEC CORPORATION,

Inventor(s):

NACHENBERG Carey S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9915966 A1 19990401
Application: WO 98US17609 19980825 (PCT/WO US9817609)
Priority Application: US 97935577 19970923
Designated States: CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE
Main International Patent Class: G06F-011/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11209

English Abstract

A dynamic heuristic method for detecting computer viruses comprising three phases: a decryption phase, an exploration phase, and an evaluation phase. A purpose of the decryption phase is to emulate a sufficient number of instructions to allow an encrypted virus to decrypt its viral body. A purpose of the exploration phase is to emulate at least once all sections of code within a region deemed likely to contain any virus present in the target program. A purpose of the evaluation phase is to analyze any suspicious behavior observed during the decryption and exploration phases to determine whether the target appears to be infected.

French Abstract

L'invention concerne une methode heuristique dynamique permettant de detecter les virus informatiques, cette methode se deroulant en trois phases: une phase de decryptage, une phase d'exploration, et une phase d'evaluation. La phase de decryptage a pour but l'emulation d'un nombre d'instructions suffisant pour permettre a un virus crypte de decrypter le corps du virus. La phase d'exploration consiste a emuler au moins une fois toutes les sections d'un code a l'interieur d'une region susceptible de renfermer un virus present dans le programme objet. Quant a la phase d'evaluation, elle permet d'analyser tout comportement suspect observe pendant les phase de decryptage et d'exploration, afin de determiner si ledit programme objet est infecte ou non.

Main International Patent Class: G06F-011/00

Fulltext Availability:

Detailed Description

Detailed Description

... the virus to decrypt before observing its virus-like operations (opening files, finding files, etc.).

Dynamic heuristic **virus** detection can detect many different permutations of a given operation more easily than the static heuristic method...

...is called during the 1 5 emulation, the dynamic heuristic antivirus program checks the values in the **registers**. These values specify the task that the target program wants the **operating system** to perform on its behalf. As discussed above regarding static heuristics, a **virus** infecting the target program may choose to put certain values in the **registers** in a great variety of ways. However, when the interrupt is finally called, the **registers** must contain the certain values that correspond to the desired operation. A dynamic heuristic antivirus program is only concerned with the values of the **registers** at the time of the interrupt call.

While the dynamic heuristic technique is superior in detecting virus...

00483529

CRYPTOGRAPHIC CO-PROCESSOR
COPROCESSEUR CRYPTOGRAPHIQUE

Patent Applicant/Assignee:

INFORMATION RESOURCE ENGINEERING INC,
KAPLAN Michael M,
DOUD Robert Walker,
KAVSAN Bronislav,
OBER Timothy,
REED Peter,

Inventor(s):

KAPLAN Michael M,
DOUD Robert Walker,
KAVSAN Bronislav,
OBER Timothy,
REED Peter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9914881 A2 19990325

Application: WO 98US19316 19980916 (PCT/WO US9819316)

Priority Application: US 9759082 19970916; US 9759839 19970916; US
9759840 19970916; US 9759841 19970916; US 9759842 19970916; US 9759843
19970916; US 9759844 19970916; US 9759845 19970916; US 9759846 19970916
; US 9759847 19970916

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Main International Patent Class: **H04L-009/06**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 95649

English Abstract

A secure communication platform on an integrated circuit is a highly integrated security processor which incorporates a general purpose digital signal processor (DSP) (62), along with a number of high performance cryptographic function elements, as well as a PCI and PCMCIA (14) interface. The secure communications platform is integrated with an off-the-shelf DSP so that a vendor who is interested in digital signal processing could also receive built-in security functions which cooperate with the DSP. The integrated circuit includes a callable library of cryptographic commands and encryption algorithms. An encryption processor is included to perform key and data encryption, as well as a high performance hash processor and a public key accelerator (28).

French Abstract

Une plate-forme de communications securisee sur un circuit integre constitue un processeur a securite integree comprenant un processeur de signal numerique polyvalent (DSP), plusieurs elements fonctionnels cryptographiques hautes performances, une interface PCI, et une interface PCMCIA. La plate-forme de communications securisee est integree a un processeur de signal numerique du commerce, de facon qu'un revendeur se preoccupant de traitement de signal numerique puisse egalement recevoir les fonctions de securite integree cooperant avec le processeur de signal numerique. Le circuit integre comporte une bibliotheque consultable de commandes cryptographiques et d'algorithmes de cryptage. L'invention concerne egalement un processeur de cryptage operant au niveau cle et donnees, ainsi qu'un processeur d'adressage calcule hautes performances et un accellerateur a cle publique.

Main International Patent Class: **H04L-009/06**

Fulltext Availability:
Detailed Description

Detailed Description

... bit will be '0', as shown in the table below. Note that this is a 6-bit

Register dress AD / WRITE)

.. , =\$

.....

..... C

.....

.....

.....

DS

T

..... U.

.....

OxI 843 Not Visible Not Visible

I P

15 1...buffer, where the processed data is written back to the same location it came from. For most **applications**, the optimum transfer size is 256-bits (32 bytes) which provides the most

52

DES Modes

The...MODE-S. /* unrecognized keyset type

See Also: CGX-GEN-PLJBKEY, CGX-GEN-NEGKEY, CGX-SIGN, and

CGX- **VERIFY**

GEN NEGKEY (Generate the DH Derived Secret Key)

Command Name: CGX-GEN-NEGKEY

GEN NEGKEY GXY

219...5 /*rangingfrom32-168bits(expressedinunitsofbytes).

kb->cb->argument[5] = (VPTR)Ien;

/* how this key will be used. By **definition**, the key will be
/* untrusted, but the application must **identify** this as either
/* a key encryption key (KEK) or a data encryption key (K).

kb->cb->argument...Decrypt command is used to decrypt the
application's data using the RSA decryption algorithm, or to **verify** an
RSA signature. Control over which **operation** is **performed** lies with
the application. If the public key member of the key is NLTL, an RSA
decryption will be **performed**. If the private key member of the
structure

is NULL, a signature **verification** will be **performed**. The public
keyset

must be provided by the application and contain the private key portion
of the...extended algorithm block and enable kernel protection over the
block.

Once the extended algorithm block has been **authenticated** and
loaded, the application can invoke **operations** in the extended algorithm
block via the CGX-EXEC-EXTENDED command. When the
application no longer needs...

...loaded via the

CGX-LOAD-EXTENDED command.

Before invoking the extended algorithm block, the secure kernel
will **verify** that the block is active (i.e., has a valid algorithm
loaded). If

so, control is transferred...

...the extended algorithm block via the
block's entry point (the specific location is yet to be **determined**). It
is
the algorithm block's responsibility to handle branching to the
appropriate handler **operation** . In other words, once control is
transferred to the ex-tended algorithm block's entry point, the...

27/5,K/23 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00480749 **Image available**

**METHOD, SOFTWARE AND APPARATUS FOR SAVING, USING AND RECOVERING DATA
PROCEDE, LOGICIEL ET DISPOSITIF PERMETTANT DE SAUVEGARDER, UTILISER ET
RECUPERER DES DONNEES**

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Patent and Priority Information (Country, Number, Date):

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98105733 19980626

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FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
US US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F-011/14**

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 51490

English Abstract

A method and apparatus for reverting a disk drive to an earlier point in time is disclosed. Changes made to the drive are saved in a circular history buffer which includes the old data, the time it was replaced by new data, and the original location of the data. The circular history buffer may also be implemented by saving new data elements into new locations and leaving the old data elements in their original locations. References to the new data elements are mapped to the new location. The disk drive is reverted to an earlier point in time by replacing the new data element with the original data elements retrieved from the history buffer, or in the case of the other embodiment, reads to the disk are mapped to the old data elements still stored in their original locations. The method and apparatus may be implemented as part of an operating system, or as a separate program, or in the controller for the disk drive. The method and apparatus are applicable to other forms of data storage as well. Also disclosed are method and apparatus for providing firewall protection to data in a data storage medium of a computer system.

French Abstract

L'invention se rapporte a un procede et a un dispositif permettant de ramener une unite de disque a un point chronologiquement anterieur. Les modifications apportees a cette unite sont sauvegardees dans un tampon historique circulaire contenant les anciennes donnees, le moment auquel elles ont ete remplacees par de nouvelles donnees et l'emplacement originel des donnees. Le tampon historique circulaire peut egalement etre mis en oeuvre grace a la sauvegarde de nouveaux elements de donnees dans de nouveaux emplacements et au maintien des anciens elements de donnees dans leurs emplacements originels. Des references relatives aux nouveaux elements de donnees sont appliquees au nouvel emplacement. L'unite de disque est ramenee a un point chronologiquement anterieur grace au remplacement des nouveaux elements de donnees par les elements de donnees originels recuperes dans le tampon historique ou bien, selon l'autre mode de realisation, les anciens elements de donnees se trouvant toujours au niveau de leurs emplacements de memorisation originels sur le disque sont lus. Ce procede et ce dispositif peuvent etre mis en oeuvre sous forme d'une partie d'un systeme d'exploitation, ou sous forme d'un programme separe, ou dans l'unite de commande de l'unite de disque. Ce procede et ce dispositif sont egalement applicables a d'autres formes de memorisation de donnees. L'invention concerne enfin un procede et un dispositif fournissant une protection de type filtrage aux donnees memorisees dans un support de memorisation de donnees d'un systeme informatique.

Main International Patent Class: **G06F-011/14**

Fulltext Availability:

Claims

Claim

... 0 the period of time, and writing the recorded data as well as the current operating system (OS) visible image of the disk to another secondary storage medium, such that the medium can be used to recreate the disk's OS visible state at various points in time. 1 5 140. A method according to claim 138 wherein a **directory** is included on the secondary storage medium that optimizes sequential access to the data associated with a...

27/5,K/24 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00440493 **Image available**

POLYMORPHIC VIRUS DETECTION MODULE

MODULE DE DETECTION DE VIRUS POLYMORPHES

Patent Applicant/Assignee:

SYMANTEC CORPORATION,

Inventor(s):

NACHENBERG Carey S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9830957 A2 19980716

Application: WO 98US8897 19980105 (PCT/WO US9808897)

Priority Application: US 97780985 19970108

Designated States: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: **G06F-011/00**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8524

English Abstract

A Polymorphic Anti-virus Module (PAM) (200) comprises a CPU emulator (210) for emulating the target program, a virus signature scanning module (250) for scanning decrypted virus code, and an emulation control module (220), including a static exclusion module (230), a dynamic exclusion

module (240), instruction/interrupt usage profiles (224) for the mutation engines (162) of the known polymorphic viruses (150), size and target file types (226) for these viruses, and a table (228) having an entry for each known polymorphic virus (150). During emulation, the emulation control module (220) may observe use of a register-indirect memory write instruction using a register that has not been initialized. Such a random write can be used as an indication that the file is probably a data file and so is unlikely to harbor a virus.

French Abstract

La presente invention concerne un module anti-virus polymorphe (PAM) (200) comportant un emulateur (210) d' unite centrale permettant d' emuler le programme cible, un module (250) de numerisation de la signature d' un virus permettant de numeriser une signature de virus decryptee, et un module (220) de commande de l' emulation, comportant un module (230) d' exclusion statique; un module (240) d' exclusion dynamique; des donnees relatives aux profils (224) d' utilisation d' instruction/interruption de programme pour les moteurs (162) de mutation des virus (150) polymorphes connus et aux dimensions et types (226) fichiers cibles de ces virus connus; et une table (228) dotee d' une d' entree pour chaque virus (150) polymorphe connu. Au cours de l' emulation, le module (220) de commande de l' emulation peut observer l' utilisation d' une instruction d' ecriture en memoire indirecte a registre au moyen d' un registre qui n' a pas ete initialise. Ces ecritures en memoire indexee et non initialisee peuvent etre utilisees pour indiquer que le fichier est probablement un fichier de donnees et que, par consequent, il n' est pas susceptible d' etre porteur d' un virus.

Main International Patent Class: G06F-011/00

Fulltext Availability:

Detailed Description

Detailed Description

... in a data file.

I 0 It is noted that some viruses do not write with initialized **index registers** but knows the state of the register because the **operating system** may guarantee the state. One such **virus** is the PC Weevil **virus** that uses an **indexed** memory write instruction to add zero to some locations which does not alter the value stored in...

27/5,K/25 (Item 14 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00433561 **Image available**

FILE DIRECTORY AND FILE NAVIGATION SYSTEM

REPERTOIRE DE FICHIERS ET SYSTEME D' EXPLORATION CORRESPONDANT

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GANDEE John J,
GODWIN Kurt E,

Inventor(s):

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GODWIN Kurt E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9824025 A1 19980604

Application: WO 97US21837 19971126 (PCT/WO US9721837)

Priority Application: US 9631926 19961127

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DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT UA UG US UZ VN YU GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM

AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA

GN ML MR NE SN TD TG
Main International Patent Class: G06F-011/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 20299

English Abstract

The parallel virtual directory system (12) can extend the native file system (8) to provide a superior method for organizing a computer system's physical storage devices or locations. These can include hard disks and removable media or remote storage locations such as on Internet. Interceptor modules (2) can monitor all files or memory changes such as creation, writes and deletes to the native file system and can pass this information to the parallel virtual directory system. The parallel virtual directory system may be accessed through the native file system methods allowing users to view their file system as it existed at any point of time, including removable media that is no longer present in the system. The parallel virtual file system may be implemented using database technology allowing multiple views of the file system for an easier navigation through it. Further, a set of management processes (3) can run at the application level providing data management services such as backup, archiving, and recording.

French Abstract

Le systeme de repertoire virtuel parallele (12) de la presente invention permet de developper le systeme de fichiers natif (8) d'un systeme informatique de maniere a en faire un outil perfectionne d'organisation des dispositifs ou emplacements de stockage physique dudit systeme. Ces dispositifs peuvent notamment etre des disques durs, des supports amovibles ou des emplacements eloignes, par exemple sur Internet. Des modules intercepteurs (2) peuvent controler tous les changements de fichiers ou de memoires du type creation, ecritures et suppressions affectant le systeme de fichier natif et ils peuvent transmettre ces informations au systeme de repertoire virtuel parallele. On peut acceder a ce dernier en utilisant les procedes d'accès au systeme de fichiers natif qui permettent aux utilisateurs de visualiser leur systeme de fichiers tel qu'il se presentait a tout instant, et notamment les supports amovibles qui ne sont plus presents dans le systeme. Ledit systeme virtuel parallele peut etre mis en oeuvre au moyen d'une technologie de base de donnees autorisant de multiples vues du systeme de fichiers aux fins de simplification de la navigation. En outre, un ensemble de processus de gestion (3) peut tourner au niveau application pour assurer des services de gestion de donnees du type sauvegarde, archivage et enregistrement.

Main International Patent Class: G06F-011/00
Fulltext Availability:
Claims

Claim

- ... of the
native directory;
c) presenting on the single computer a virtual directory for use by the **operating system**, the virtual **directory** comprising at least a portion of the file attribute information for at least one of the files
...
- ...virtual directory of files as described in claim 15 wherein the virtual directory is accessible by an **application program**. 17) The method of utilizing a virtual directory of files as described in claim 15 and further...
- ...The method of utilizing a virtual directory of files as described in claim 17 and further comprising **determining** whether a storage medium is connected to the computer system. 19) The method of utilizing a virtual

...as described in claim 15 and further comprising presenting a second virtual directory for use by the **operating** system. 47) The method of utilizing a virtual directory of files as described in claim 15 and...claim 15 and further comprising:
entering a file name to be retrieved from the virtual directory;

50

determining which storage medium stores file data for the file name;
and
retrieving the file data. 52) The...

...as described in

claim 54 and further comprising:

a means for scanning the native file directory to **detect** directory information of the native file directory to relay to the second file directory. 56) The apparatus...

...as described in claim 54 and further comprising a means for monitoring I/O requests from an **application program** directed toward the native file directory. 58) The apparatus to update a file directory in a computer...

...1 5 claim 54 and further comprising a means for monitoring for I/O requests from the **operating** system of the computer system directed toward the native file directory. 59) The apparatus to update a file directory in a computer system as described in claim 54 and further comprising a means for capturing an **application program** name that originates a file request command. 62) A method of updating a file directory in a...

...computer system as described in

claim 62 and further comprising monitoring for I/O requests from an **application program** directed toward the native file directory. 66) The method of updating a file directory in a computer system as described in claim 62 and further comprising monitoring for I/O requests from the **operating** system of the computer system directed toward the native file directory. 67) The method of updating a...

...of updating a file directory in a computer system as described in claim 68 and further comprising **determining** whether the storage medium has been connected to the computer system before. 70) The method of updating ...in claim 62 and further comprising polling a physical storage devices which can house removable media to **determine** whether a piece of removable media has been installed. 74) The method of updating a file directory in...

...75) The method of updating a file directory in a computer system as described in claim 62 **detecting** a media change message from a file system driver. 76) The method of updating a file directory in a computer system as described in claim 62 and further comprising:
capturing an **application program** name that originates a file request. 77) A computer system comprising:
a) an accessible native file directory...claim 95 wherein the virtual file directory and the second virtual file directory are accessible to an **application program** of the computer system. 97) The apparatus as described in claim 96 and further comprising a means...

...in the database in a second

virtual directory; and

making the first virtual directory and second virtual **directory** accessible to the **operating system** of the computer system. 105) The method of utilizing a virtual file directory for a computer system...

...a second

virtual directory; and

making the first virtual directory and second virtual directory accessible to an **application program** of the computer system. 106) The

method of utilizing a virtual file directory for a computer system as described in claim 105 wherein the **application program** reconfigures the virtual file directory. 107) The method of utilizing a virtual file directory for a computer...

...comprising presenting a native file directory in addition to the virtual file directory for use by an **operating** system of the 1 5 computer system. 109) The method of utilizing a virtual file directory for...

27/5,K/26 (Item 15 from file: 349)
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00350945

SOFTWARE ANTI-VIRUS FACILITY

DISPOSITIF DE LOGICIEL ANTI-VIRUS

Patent Applicant/Assignee:

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Inventor(s):

LETTVIN Jonathan D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9633458-A1-19961024

Application: WO 96US4604 19960404 (PCT/WO US9604604)

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LR LT LV MD MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA UZ VN KE LS MW

SD SZ UG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: **G06F-011/00**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6026

English Abstract

A virus-resistant disk has a "hidden partition" in which anti-virus software is stored; the hidden partition not only shields the software from many viruses, but provides storage space that does not reduce the disk's formatted or advertised capacity. The disk includes software to cause the computer to execute the anti-virus software. The invention provides a hidden partition by utilizing storage space on the disk that is not reflected in the size and geometry information stored on the disk, e.g., in the BIOS Parameter Block.

French Abstract

La presente invention se rapporte a un disque resistant aux virus comportant une "partition cachee" dans laquelle un logiciel anti-virus est stocke; la partition cachee protege le logiciel non seulement contre de nombreux virus mais elle fournit egalement un espace de stockage ne reduisant pas la capacite formatee ou annoncee du disque. Le disque contient un logiciel permettant a l'ordinateur d'executer le logiciel anti-virus. Le procede de l'invention fournit une partition cachee en utilisant l'espace de stockage sur le disque, ledit espace n'etant pas pris en compte dans les informations de taille et de geometrie stockees sur le disque, par exemple dans le bloc parametre BIOS.

Main International Patent Class: **G06F-011/00**

Fulltext Availability:

Detailed Description

Detailed Description

... to files stored on the disk. The invention provides a virus-tolerant disk 30 that prevents an **operating system** from placing files in sectors that are known to be attacked by several viruses, thereby shielding the files from attack by the

viruses. An **operating system** uses a file system to manage storage space on a disk ...if it is the last cluster of the file, a "last-cluster" flag. The following Table 2 **lists** the relevant field of a FAT entry. A "**directory**" catalogs files stored on a disk. For each file, a **directory** stores the file's attributes, e.g., read-only, and correlates the file's name and extension to its first cluster number. **Directories** can be organized into a hierarchy starting at a "root" **directory**. The following Table 3 **lists** the relevant fields of a **directory** entry. Disk-maintenance software, such as CHKDSK, SCANDISK and SpinRite, uses well-known techniques to detect and repair damage to information, such as the FAT and **directory**, stored by the file system and to overcome recording errors, such as signals that are recorded offcenter...

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00179615

COMPUTER FILE PROTECTION SYSTEM

~~SYSTEME DE PROTECTION DE FICHIERS D'ORDINATEUR~~

Patent Applicant/Assignee:

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Inventor(s):

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Patent and Priority Information (Country, Number, Date):

Patent: WO 9013084 A1 19901101

Application: WO 90US2113 19900418 (PCT/WO US9002113)

Priority Application: US 89886 19890419

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Main International Patent Class: **G06F-012/14**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5813

English Abstract

The invention is a system for protecting the security of computer files. It has hardware elements, including a programmable auxiliary memory and control unit along with associated software elements. The security subsystem is installed on the host computer bus so that it resides in the control logic, address, and data signal path between the computer storage device and central processing unit. The security system is accessible by the computer operating system only during installation and initialization. Thereafter it is inaccessible to or by the operating system. Supervisor determined criteria for access permission to read, write and execute files are entered into the auxiliary memory system where they are protected from alteration. The security system will deny access to users with invalid entry criteria and refuse to write data to the file storage device when unauthorized operations have been performed. When breaches of these types occur the security system can lock the computer against further activity until it is released by entry of a master password from supervisory or security personnel. The system maintains a protected area in the computer memory device where, among other data, file signatures of all valid files are retained. The protected area of memory also maintains appropriate signatures of all internal files in the security system so that they can be automatically checked for integrity.

French Abstract

L'invention concerne un systeme de protection pour la securite des fichiers d'ordinateur. Il possede des elements machine, comprenant une unite de commande et memoire auxiliaire programmable ainsi que des

elements de logiciel associes. Le sous-systeme de securite est installe sur le bus de l'ordinateur central de sorte qu'il reside dans le chemin de logique de commande, d'adresse et de signaux de donnees entre le dispositif de stockage de l'ordinateur et l' unite de traitement centrale. Le sous-systeme de securite est accessible par le systeme de fonctionnement de l'ordinateur uniquement pendant l'installation et la mise en marche. Ensuite, il est inaccessible au systeme de fonctionnement ou par ce systeme de fonctionnement. Des criteres determines par un superviseur pour l'autorisation d'avoir acces au fichier, a leur lecture et a leur ecriture, sont entres dans le systeme a memoire auxiliaire ou ils sont proteges contre toute modification. Le systeme de securite refuse l'accès a des utilisateurs dont les criteres d'entree ne sont pas valides et refuse l'ecriture de donnees dans le dispositif de stockage par fichier lorsque des operations non autorisees ont ete effectuees. Lorsque des infractions de ce type ont ete commises, le systeme de securite peut verrouiller l'ordinateur et empecher toute activite future jusqu'a sa liberation par introduction d'un mot de passe maitre introduit par le personnel de supervision ou de securite. Le systeme maintient une zone protegee dans le dispositif a memoire de l'ordinateur ou, parmi d'autres donnees, des signatures de fichiers de tous les fichiers valides sont retenues. La zone protegee de la memoire maintient egalement des signatures appropriees de tous les fichiers internes dans le systeme de securite de maniere a pouvoir controler automatiquement leur integrite.

Main International Patent Class: **G06F-012/14**

Fulltext Availability:

Detailed Description

Detailed Description

... and should be common practice in most computer networks. But it does not prevent the problem of **virus** entry, ...The most common use of this type of protection is found on computers based on the UNIX **operating system**. Unix is a trademark of AT&T Information Systems, New York, New York, for a linked multi...

...available

with an "unerase" feature. These take advantage of the way most files are removed from a **directory** by the **operating system**. The **operating**

system simply indicates that the storage space of the deleted file is now available for new files, without actually physically erasing the earlier material. The unerase software restores the deleted file name back into the **directory**. However, it can function successfully only if the storage space occupied by the deleted file has not...

27/5,K/28 (Item 17 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00177440

METHOD OF READING AND WRITING FILES ON NONERASABLE STORAGE MEDIA

PROCEDE DE LECTURE ET D'ECRITURE DE FICHIERS SUR DES SUPPORTS DE STOCKAGE
NON EFFACABLES

Patent Applicant/Assignee:

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Inventor(s):

SCIUPAC Luis H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9010906 A1 19900920

Application: WO 90US994 19900223 (PCT/WO US9000994)

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Main International Patent Class: **G06F-012/02**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6095

English Abstract

A method of inputting and outputting information files between a computer memory and a write-once medium in which a cache memory is established as an intermediary between an operating system's transfer address and the medium. The cache includes a system file allocation structure (Fig. 6) in a format corresponding to that for erasable media and a media directory file (Fig. 7). The directory in the write-once medium is read to the cache and the system file allocation structure (Fig. 6) is constructed from the directory information. When performing an operation system command, such as a read or write, access to the medium is made via the cache memory. For example, when reading a data file, sector locations indicated by the system file area (67) and the corresponding sectors are read from the medium (67). When writing a data file, sectors containing new data are identified, old sectors on the medium are marked, and only the new sectors are written to the medium with pointers linking them to the unchanged sectors.

French Abstract

Methode d'entree et de sortie de fichiers d'informations entre une memoire d'un ordinateur et un support a une seule ecriture ou une antememoire est etablie comme intermediaire entre l'adresse de transfert d'un systeme et le support. L'antememoire comprend une structure d'affectation de fichier (Fig. 6) dans un format correspondant a celui des supports effacables et un fichier repertoire du support (Fig. 7). Le repertoire dans le support a une seule ecriture est introduit dans l'antememoire et la structure d'affectation de fichier du systeme (Fig. 6) est construite a partir des informations du repertoire. Lorsque l'on effectue une commande dans le systeme, telle qu'une operation de lecture ou d'ecriture, l'accès au support s'effectue via l'antememoire. Par exemple, lorsqu'un fichier de donnees est lu, des emplacements de secteur indiques par la zone de fichier du systeme (67) et les secteurs correspondants sont lus depuis le support (67). Lors de l'ecriture d'un fichier de donnees, des secteurs contenant de nouvelles donnees sont identifiees, des vieux secteurs sur le support sont marques, et seuls les nouveaux secteurs sont ecrits sur le support, avec des pointeurs les associant aux secteurs inchanges.

Main International Patent Class: G06F-012/02

Fulltext Availability:

Detailed Description

Detailed Description

... SURSTITUTE SHE"ET

Device drivers for magnetic storage devices access and update file allocation tables and **directories**, as well as data, on the storage medium several times during the execution of a single command for the **operating system**. This is done to maximize the performance of the disk, allowing more efficient retrieval the next...

...read-after-write media, are nonerasable. These media are therefore often called write-once read-many (**WORM**) media, or just write-once media. Since write-once media are not erasable, each time a file is updated, capacity is lost. Multiple recordings of file allocation tables and **directories** during a single command are especially troublesome, as capacity is exhausted up to three times faster than...